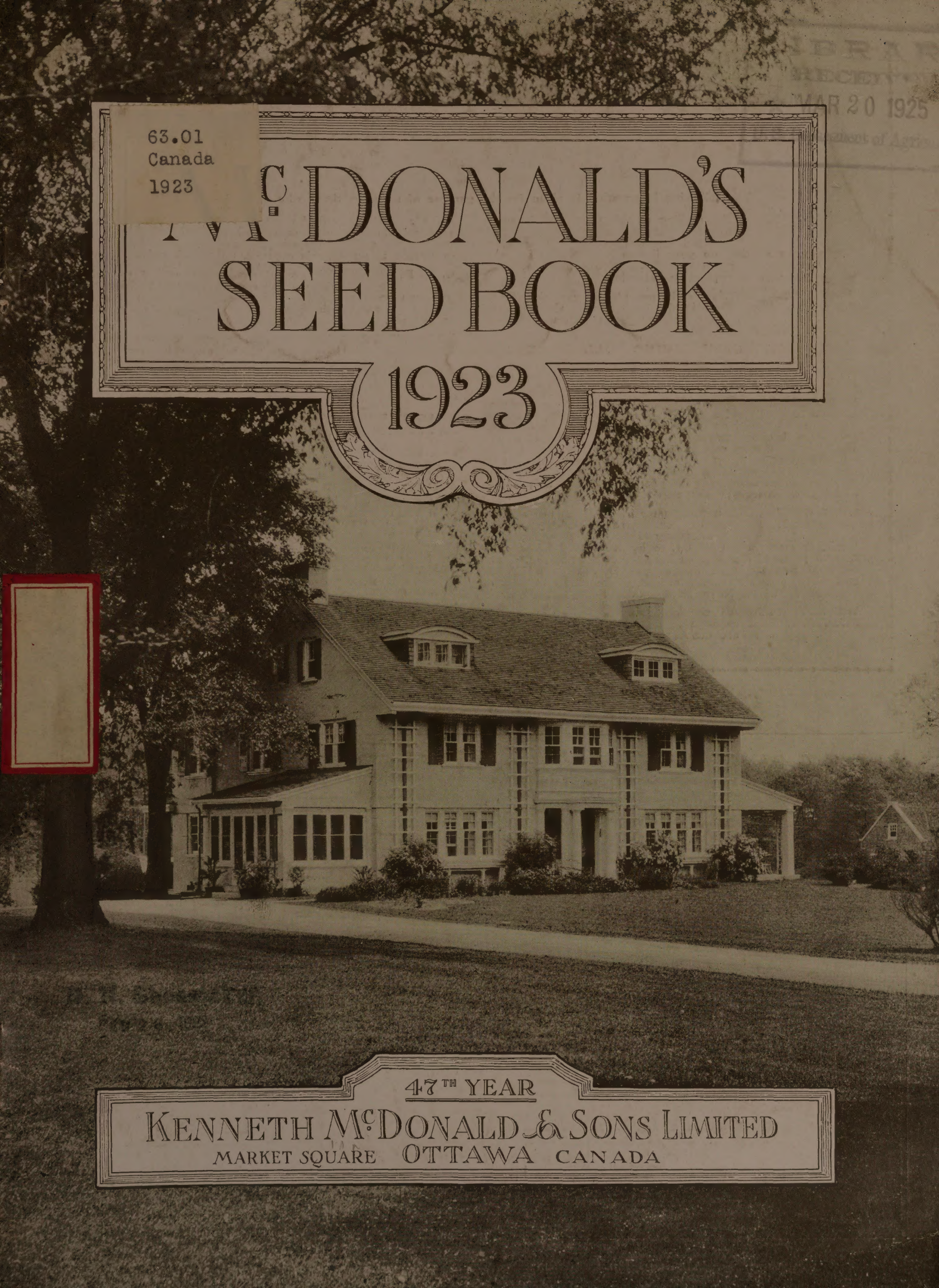
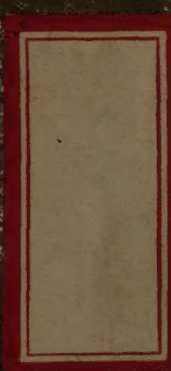


63.01
Canada
1923

KENNEDY McDONALD'S SEED BOOK

1923



47TH YEAR

KENNETH McDONALD & SONS LIMITED
MARKET SQUARE OTTAWA CANADA

To All Ordering Seeds by Mail

The following information is given for the purpose of assisting those who order by mail:

WHEN BEST TO ORDER The mailing of this Catalogue is an indication that we are ready and fully equipped for filling orders. Help us to help you by making up your list to-day. Nothing can be lost, and possibly much gained by giving this important matter your earliest possible attention.

HOW BEST TO ORDER. When ordering, please use the Order Sheet in the back of this Catalogue, as such orders go direct to our order department without recopying.

WRITE DISTINCTLY, GIVING FULL NAME AND ADDRESS. Sometimes orders lack name or post office address and cannot be filled until they are identified. Additional order forms will be sent on request.

REGARDING ERRORS. Years of experience in the conducting of a successful mail order seed business have taught us the best system of handling the rush of spring business with the minimum of errors. We take the utmost care in filling orders, and seldom make mistakes, but when an error occurs we wish to be immediately notified of the fact, when we will make a satisfactory correction as speedily as possible. Kindly keep copies of all your orders for comparison.

HOW BEST TO REMIT. Remittances may be sent at our risk by any of the following methods: Post Office Money Order, Postal Notes, Bank Draft, Express Money Order, or by Registered Letter. In case of personal cheques, exchange should be added, if not accepted and made payable at par Ottawa. The Postal authorities prohibit the use of stamps for whole or part of remittances, unless for small amounts of 20c and under.

WE PAY THE POSTAGE. All vegetable and flower seeds in this catalogue, except Beans, Peas and Corn, are delivered by mail, free anywhere in

Canada. All heavy field seeds are sent by express or freight at purchaser's expense, unless otherwise noted. Fertilizers, insecticides and garden sundries are also sent by express or freight at purchaser's expense, unless otherwise noted.

C. O. D. We do not send goods collect on delivery, as the cost of collection charges is quite an unnecessary item of expense; and as prices are given in catalogue, there is no reason why goods should be so ordered.

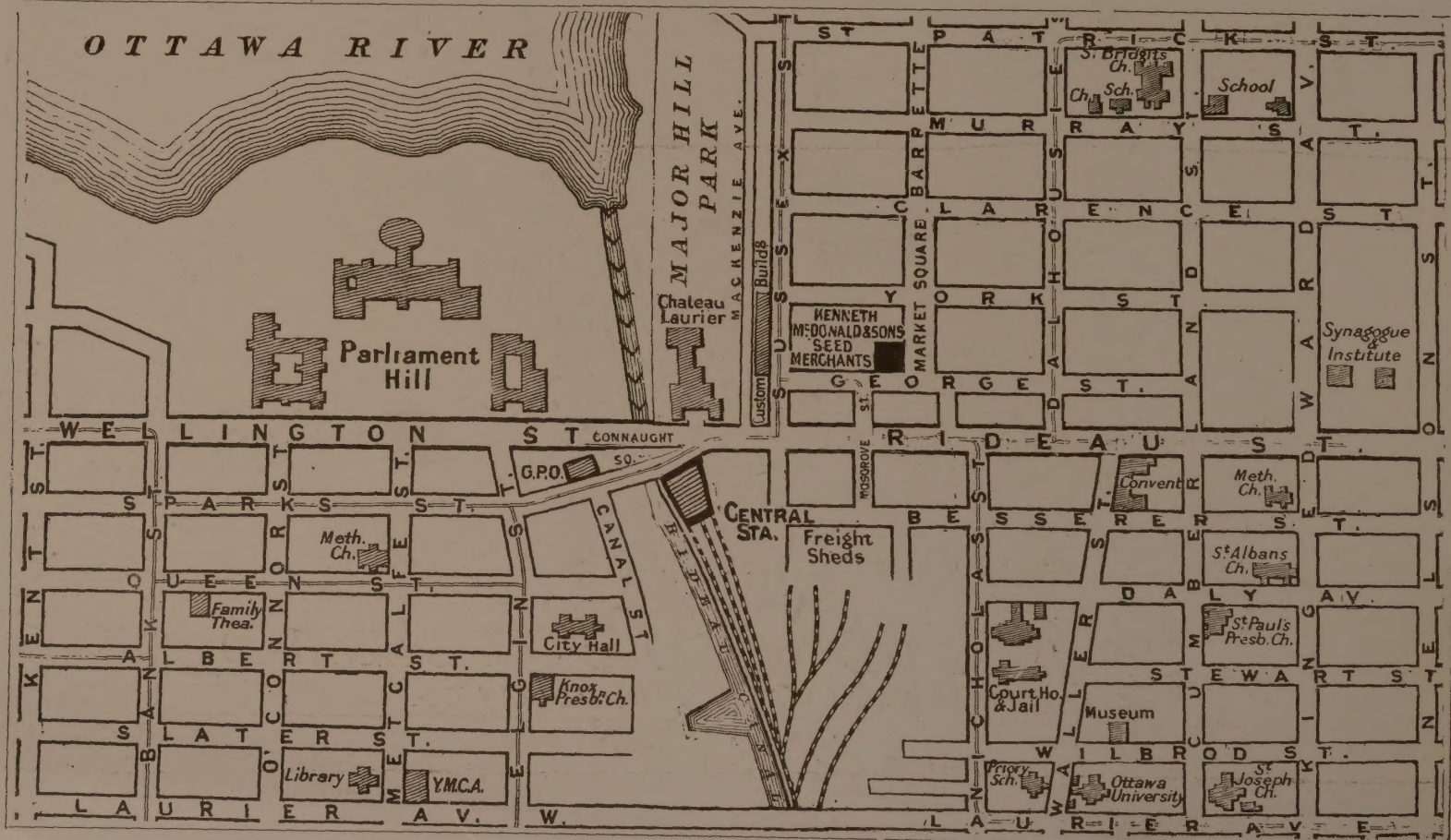
EXPRESS OR FREIGHT. When ordering be sure to state whether shipment is to be made by express or freight, otherwise in the absence of instructions, we will use our own discretion, shipping as we may consider most convenient or advantageous to the purchaser.

FLAG OR PRE-PAY STATIONS. When shipments are to be made to stations having no agent, prepayment of charges is always necessary. We, therefore, ask all who are situated at these points, to add sufficient to amount of remittance to cover cost of carriage.

ABOUT WARRANTY. We have the vitality of all seeds tested before sending them out, and only those of strong germination are sold. Most failures of seed are due to causes beyond our control, such as unfavorable weather and soil conditions; sowing too deep or too shallow; insects of different descriptions destroying the plants as soon as or before they appear; all of which render it impossible for us to guarantee success. While we exercise the greatest care to have all seeds pure and reliable, in common with other seedsmen, we give no warranty, expressed or implied, and will not be responsible in any way for the crop. If the purchaser does not accept the seeds on these terms and conditions, they must be returned at once.



This star indicates varieties of special merit



When in the City call and see us. This map shows where we are located.

47th
year

McDonald's



Tested Seeds

The Why of Tested Seeds

1923



(1) Vegetable Seed
Department.

(2) Poultry Supply
Department

(3) Ottawa Market.

(4) Corner of Ship-
ping Room.



**Kenneth McDonald
& Sons Limited
Seeds Ottawa Can.
Market Sq.**



EVER since man has tilled the soil his object has been to secure the largest, best and most generous crops possible as the result of his labors.

And his success has ever been dependent upon the fertility of the soil—the vicissitudes of climate and weather—the time and effort spent in cultivation and last—but not least—upon the vitality, strain and quality of the seed.

Some of these handicaps he has learned to overcome—by enriching soil that is impoverished—by improved methods of planting, cultivating and harvesting—by drainage or irrigation and by planting seeds of known quality, strain, pedigree and vitality. This brings us to the vocation of the up-to-date

seedsman—who no longer trusts to chance but by careful selection, intelligent breeding and scientific testing is able to supply the planter with seeds that possess the greatest probabilities of success.

For nearly half a century the House of McDonald has been in the seed business—improving its methods year by year—overlooking no detail for the benefit of its clients. This policy has held for the House the steady recurring patronage of thousands of friends and the list is gaining in numbers every year.

In presenting this catalogue for our 47th year we want to assure you that it can be used with safety as a guide to planting—for it contains the record of our best knowledge and efforts.

Floral Novelties &

SPLENDID NEW ASTERS



Aster, Early Dawn

135. **AQUILEGIA, MRS. SCOTT ELLIOTT'S STRAIN OF LONG-SPURRED HYBRIDS.**—A beautiful strain of Columbine, remarkable for the number and variety of refined shades exhibited. Flowers are large, and gracefully formed, with long spurs. Pkt. 25c.

695. **COSMOS, DOUBLE EARLY FLOWERING.**—Many years of patient selection have given us an early race of Double Cosmos. The strain we now offer, opens its flowers in June, and blooms continually till frost. The doubling shows itself effectively in the form of a neat rosette in the centre of the flower. Mixed colors. Pkt. 35c.

1005. **HOLLYHOCK, EXQUISITE DOUBLE.**—The flowers of this new Hollyhock measure 4 to 5½ inches across, and possess the charming new feature that every petal, both of the centre and circumference, is exquisitely curled, and fringed, to an extent that immediately arrests attention. The flowers are extremely double, and include white, rose, violet, carmine, and dark purple, in fine mixture. Pkt. 30c.



Aster Giant Comet Goliath

270. **EARLY DAWN.** Earliness, size, and purity of color make this an outstanding novelty. It is one of the earliest Asters of the Ostrich Plume type, coming into flower even earlier than Queen of the Market. Its size, length of stem, and snowy whiteness makes it particularly valuable for cut flower purposes. Pkt. 35c.

300. **HEART OF FRANCE.**—This fine, new Aster opens red as the purest ruby, deepens with age, and retains its remarkable color to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft and warm velvety texture. "Heart of France" is startlingly beautiful, and commands instant admiration in either natural or artificial light. Pkt. 20c.

210. **GIANT COMET GOLIATH, MIXED.**—This specialty mixture is the most successful strain of Giant Asters we have ever sent out. From all parts of the Dominion come glowing accounts of its splendid quality. It is an unusually good mixture saved from selected plants and contains a splendid assortment of fine, clear colors only. All colors mixed. Pkt. 20c; 2 pkts. 35c.



Cosmos Early Double Flowering

1435. **PANSY, ROYAL EXHIBITION MIXED.**—In Pansy seed, we want the very finest for our trade, so we have long made a specialty of this superb strain. It is the result of many years of careful selection, and is our finest mixture as to size, texture, and coloring. Flowers are large, finely curled, and include the most charming and richly colored, stained, and blotched varieties. Our seed is saved from some of the best prize collections, and all seeds are saved direct from prize plants. Pkt. 50c.

1610. **ICELAND POPPY, IMPROVED SUNBEAM.**—An apology is hardly needed in introducing new colors in the deservedly favorite Iceland Poppies. The strain we now offer, includes many new tints, such as maize, creams, and various tones of rose. The flowers are larger than any other Iceland Poppies, and are borne on long, thick stems. Mixed colors. Pkt. 35c.

2010. **ZINNIA, GIANT DAHLIA FLOWERED MIXED.**—The blooms of this new strain very closely resemble the Giant Dahlias in form and colorings. They are much larger than the regular strains of Zinnia, and might well be classified as the "Spencers" of the Zinnias. The colors are indescribably varied, every shade known to Zinnias being represented. A great future is predicted for this strain, as it is undoubtedly one of the most valuable novelties introduced in recent years. Pkt. 20c.

Specialties for 1923

NEW SPENCER SWEET PEAS

2350. RAVENSWING.—The darkest shade ever attained in a Sweet Pea,—being a deep, blackish maroon,—as intense in color as the Black Pansy. The plant is robust, and free-flowering, with numerous flowers of good size, beautifully waved. Small pkt. 25c.

2355. ROYAL SCOT.—Quite the finest cerise-scarlet Sweet Pea in cultivation. Its bright color, and free-flowering habit make it one of the most valuable of recent introductions. Pkt. 25c

2185. BARBARA.—A superb salmon colored self that makes a telling bunch, either for exhibition, or table decoration. Pkt. 15c.

2195. CHARITY.—The sensational novelty which has taken the lead over all other crimsons. Deep, rich crimson, of beautiful form. Does not fade or scorch. Pkt. 25c.

2215. DAISYBUD.—A harmonious combination of apple-blossom tints, with a suggestion of cream-pink. A dainty flower of good substance. Pkt. 20c.

2280.—MRS. TOM JONES.—A first-class rich blue has long been wanted, and now we have it in this charming and beautiful novelty, which is easily the finest and most perfect blue Sweet Pea to date. A great advance in the blue section, which may be described as bright delphinium blue. The flowers are very large, and are of great substance, beautifully waved, and come four on a fine long stem. Pkt. 25c.

2295. PRINCE GEORGE.—The leader among the fancy varieties. Standard is rosy-lilac with veinings of richer rose, having a distinct darker rose blotch at the base; wings violet-rose. Pkt. 15c; oz. 90c.



Zinnia
Dahlia Flowered

2315. —TANGERINE.— This is the new orange Sweet Pea that has ousted all others for first place. It is the deepest orange, almost approaching the color of a tangerine orange. Flowers are of great size, beautifully waved, and well placed on the long stout stems. Pkt. 25c.

2330. VALENTINE.—Of vigorous habit, the large flowers are a most pleasing shade of light pink, beautifully waved, and well placed on long stout stems, which carry many fours.

The color is clear throughout,

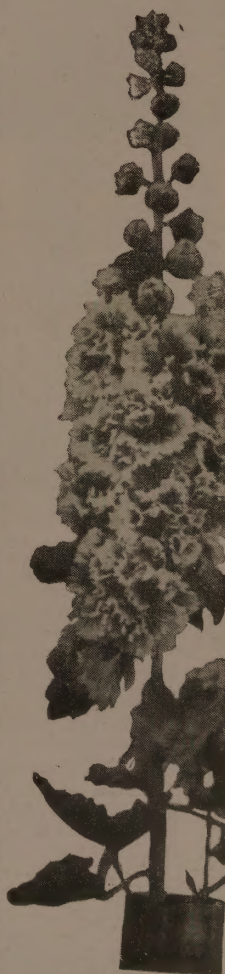
and may be termed a light shell pink. Quite the finest sort of this color. Pkt. 20c.

2165. McDONALD'S SUBERB MIXED SPENCERS.—Our special blend of Giant Flowered Spencers contains over a hundred of the finest named varieties. Only true Spencer varieties are used, from the best growers; the

choicest seeds we can procure. Most of the blooms come three or four on each stem, of immense size and beautifully waved and curled. All are giants of striking beauty and delicacy of coloring, perfect in form and vigor of growth. To those who want the very finest mixture, procurable we recommend it unreservedly as we consider it quite unsurpassed for vigor, variety and splendid quality of fragrant bloom. ¼ lb. \$1.00; oz. 35c; ½ oz. 20c; pkt. 10c.

105. ANTIRRHINUM MAJUS GRANDIFLORUM "TORCHLIGHT."—A splendid new Snapdragon of stately habit, throwing long and massive spikes which show off to perfection the brilliant hue of the flowers. A vivid orange with yellow centre slightly tinted with carmine. The general effect is a rich glow of color which illuminates the border, and will command attention wherever planted. Pkt. 20c.

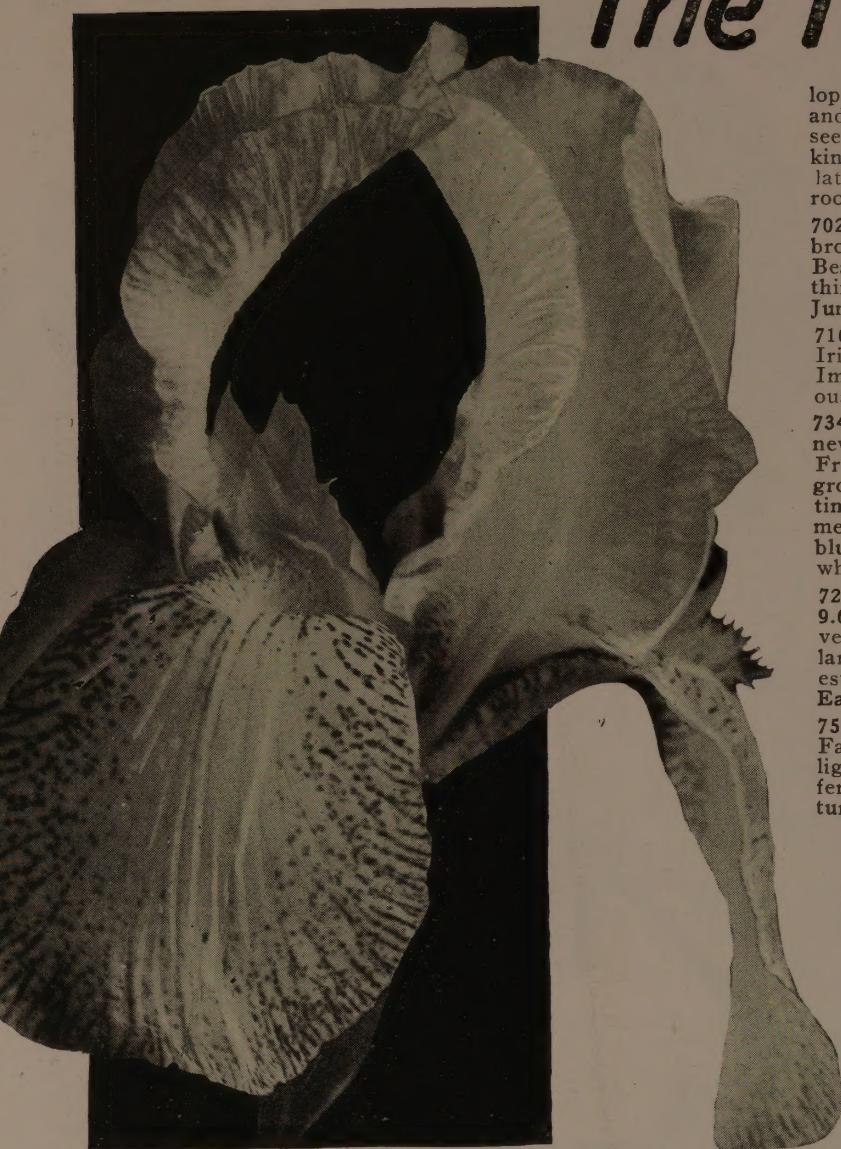
2005. ZINNIA, ACHIEVEMENT.—This beautiful new variety is distinct from all other Zinnias by the shape of its petals which are partially tubular at the base, and expand in cactus-like form towards the tip, thereby displaying a rich variety of colors such as rose, salmon, lilac, scarlet, and coppery-golden yellow. On the reverse side the petals are of a lilac tint, varying from light to dark, and by their singular contour, they produce in the flower, a rare and beautiful combination of color never before seen amongst Zinnias. It grows vigorously, and blooms freely, producing an abundance of very full, double flowers, on long stems, borne well clear of the foliage. The individual blooms often attain a diameter of five or six inches, and are particularly useful as cut flowers. Pkt. 20c.



Hollyhock
Exquisite Double

Spencer Type of Sweet Pea

The Newer Irises



Zouave.

7310. **MAGNIFICA**—(Vilm. 1920) 9.1—Strong grower. 'S' clear violet-blue. 'F' very long reddish violet, striped brown at base. Yellow beard. Very fragrant. This plant is exceptionally striking owing to the grandeur of its flowers which are probably the largest of all Iris. Each, \$4.00; 3 for \$10.00.

New Japanese Irises

The grandeur of these fine Irises surpasses any written description we could give of them. They bloom in late June and July after all other Irises have passed. Flowers are of immense size, sometimes measuring 6 to 8 inches in diameter. They offer innumerable wonderful color combinations.

Plant in Spring, or from late August to October, in well-enriched good clay loam preferably. They like considerable moisture, but must not be grown where water lies throughout the year. We recommend slight winter protection when planted as far north as Ottawa.

We offer the following Japanese varieties: price, unless otherwise mentioned, each, 75c; 3 for \$1.85.

- 7700. **ASTARTE**—(Double)—Deep violet.
- 7705. **CIRCE**—(Double)—Violet-blue, pencilled white.
- 7710. **EUMEE**—(Single)—Dark violet.
- 7715. **HELIOS**—(Double)—Purplish violet.
- 7720. **HERCULE**—(Double)—Lilac-blue, washed violet-blue.
- 7725. **IPHIGENIE**—(Double)—Deep chinese lilac.
- 7730. **NINA**—(Double)—White ground, spotted rose.
- 7735. **PATROCLE**—(Single)—Dark reddish violet.
- 7740. **PLUTON**—(Double)—Lilac, veined violet.
- 7745. **PROSPERINE**—(Single)—Rich blue.
- 7750. **ULYSSE**—(Double)—Clear lilac; extra fine, \$1.00

MIXED JAPANESE IRIS, 3 for \$1.00; Doz., \$3.50.

Only those who are keeping in touch with the wonderful development of the Bearded Iris, know the splendid advance in form and color displayed by the newer varieties. The last few years have seen the advent of glorious new sorts which far surpass the older kinds in beauty and vigor. Herewith we offer a few of the very latest novelties, some of which are not yet listed elsewhere. These roots are all of our own growing at Maplewood.

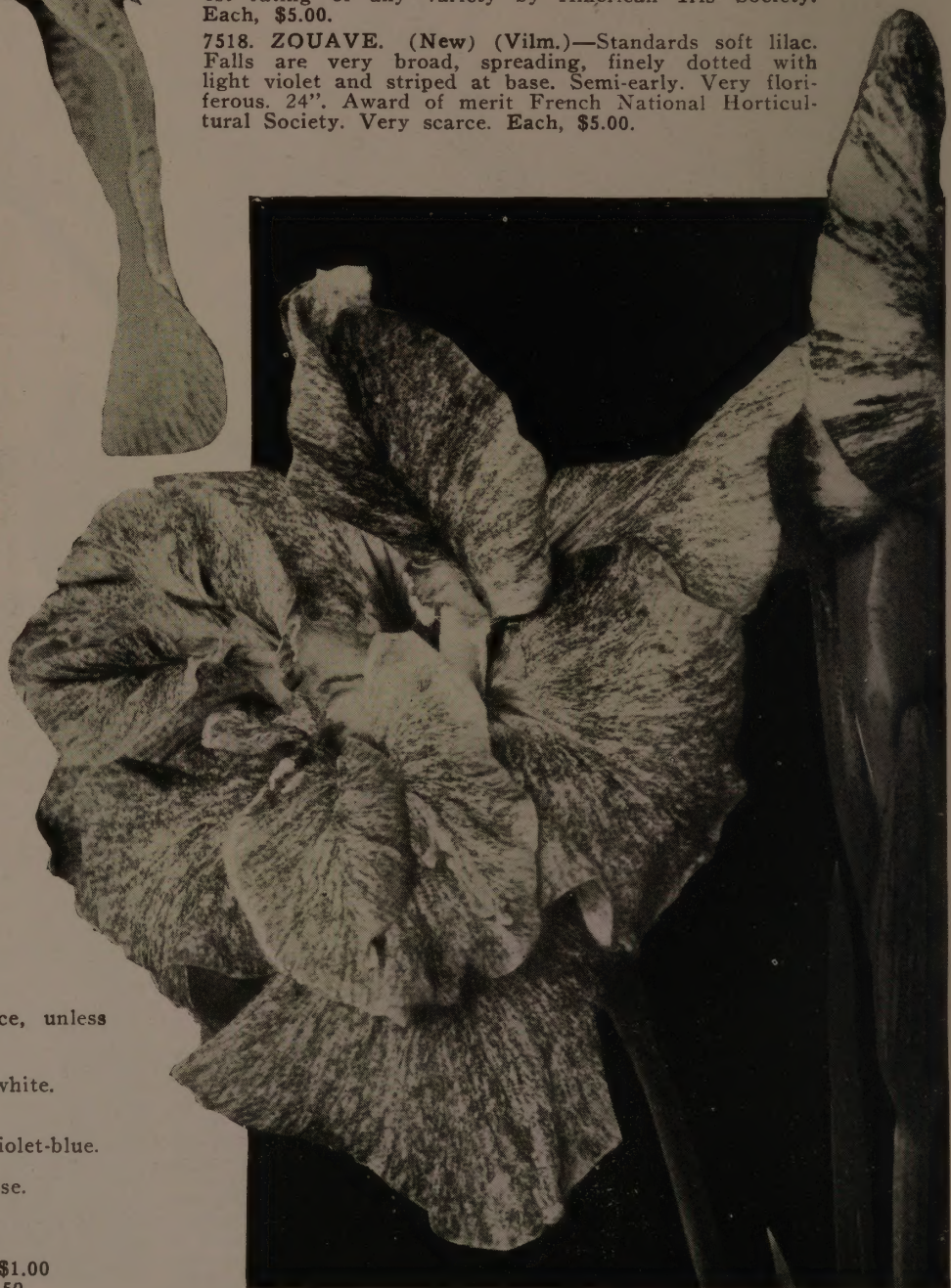
7025. **AMBASSADEUR**—(Vilm. 1920) 9.4—'S' reddish violet. 'F' broad and deep velvety purple. Large blooms of the Dominion class. Beard yellow. An exceptionally fine variety and superior to anything in its color. Award of merit, Royal Horticultural Society, June 7th, 1921. Each, \$4.00, 3 for \$10.00.

7163. **EDEN PHILPOTS**—(Perry 1922).—Distinct from any other Iris in cultivation, and considered one of the finest yet introduced. Immense flowers of a uniform shade of bright steel blue. Conspicuous yellow crest. Long, broad falls. Each, \$3.00.

7344. **MRS. WALTER BREWSTER**—(Vilm.) (New)—This superb new hybrid Iris was recently awarded a certificate of merit by the French National Horticultural Society. The plant is a vigorous grower and extremely floriferous, each stiff branching stem often times bearing as many as six lovely blooms. Flowers are of immense size, the standards being of an exquisite shade of lavender-blue. Falls, aniline-blue, the base being veined with brown on a white ground. Height, 28". Each \$7.50.

7287. **LENT. A. WILLIAMSON**—(Williamson 1918) 9.6 Standards very broad, soft campanula violet. Falls very large velvety royal purple. Golden beard. Extra large flower. Strong grower. Magnificent. Awarded highest rating of any variety by American Iris Society. Each, \$5.00.

7518. **ZOUAVE**. (New) (Vilm.)—Standards soft lilac. Falls are very broad, spreading, finely dotted with light violet and striped at base. Semi-early. Very floriferous. 24". Award of merit French National Horticultural Society. Very scarce. Each, \$5.00.



Japanese Iris

Three Fine Specialties



King of the Autumn.

King of the Autumn—An exceptional Dahlia

This is the fourth successive year we have listed this magnificent Dahlia. It has proven itself worthy of a foremost place among the world's best Dahlias, and we predict it will hold its position as the best in its color, for years to come.

King of the Autumn seems particularly well adapted to Canadian gardens. Our own trials and those of many of our customers who have grown it, have proven that it is practically in a class by itself. It commences to bloom early, and continues over a long period. Its strong, stiff stems, 12 to 18 inches long, support its large, magnificent flowers, well above its foliage. The coloring of its blooms is quite new, being a beautiful amber-bronze slightly tinged old rose. This variety was originated by Mr. H. Hornsveld of Baarn, Holland, a hybridizer of world renown, who considers this fine Dahlia one of his greatest triumphs. Price each, 50c; 3 for \$1.25; dozen, \$4.50, postpaid.



McDonald's Superb Gladioli

McDonald's Superb Iris Mixture

"Rainbow Flowers" aptly describe these delightfully fragrant, delicately tinted, and richly colored flowers. They are most useful in the garden, supplying abundant bloom, immediately following late Tulips, and just in advance of Peonies. Even when not in bloom, their shapely clumps of sword-like foliage, give a distinctive touch to the garden.

Iris are absolutely hardy, withstanding our severest winters, and delighting in hot, dry summers. The mixture we offer, is made from fine, named sorts, of which we have surplus stocks. We grow no Irises in mixture. Care is taken to ensure for our customers, a fine, well-balanced range of color. Price, 3 for 40c; dozen, \$1.25; per 100, \$9.00, postpaid.

Postpaid anywhere
in Canada

25 strong bulbs

\$1.00

postpaid.



The Dollar Box of Gladioli

25 strong bulbs of Gladioli from fine named standard sorts,—in mixture. \$1.00, postpaid.

Thousands of flower lovers throughout Canada, consider the Gladiolus their favorite flower, and many thousands more are now realizing that no other bulbous rooted flower in its season, can compare with the Gladiolus when size and beauty of bloom is considered.

Their large open flowers embrace the widest range of color, from purest white, and delicate shades of pink and salmon, to the brightest red, and richest crimson, blues, and purples.

No flower is of easier culture. Everyone with a garden, should grow some Gladioli,—and a season of glorious surprises awaits those who plant McDonald's "Dollar Box" of Gladioli. Makes an ideal gift for a friend. 25 strong bulbs —\$1.00, postpaid,—to any address in Canada.



McDonald's Superb Grass Mixtures

A REAL touch of beauty and charm is provided to the home grounds, by a well kept, velvety lawn. Trees, shrubs, and flowers are in themselves lovely, but how greatly is their loveliness enhanced when a rich, clean cut turf enters the combination.

There is no mystery, or secret "know how" in the making of a good lawn, provided the soil has been properly prepared, and the right combination of grasses has been obtained to produce a fine textured turf,—one that will outstand the winter, and retain at all times, its lustrous green color.

For many years, we have specialized in the blending of grasses most suited to the varied soils and climatic conditions of Canada, and we pride ourselves in the knowledge that our different formulas are absolutely unsurpassed, for the specific requirements for which they have been designed.

McDonald's Evergreen Lawn Grass

Unexcelled for the Home Grounds

*Extensively Used for Private and
Public Parks*

Sow 1 lb., to 350 square feet.; 75 to 100 lbs., for 1 acre.

This is our highest grade mixture for all general requirements, and is composed entirely of fine-leaved, dwarf grasses, of highest purity and germination. These grasses are deep rooted, and of close growing habit, giving the assurance of an ideal, dense, velvety turf that will withstand much wear and tear, as well as the extremes of heat and cold. With this mixture, it is possible to produce a rich colored lawn, in from 6 to 8 weeks, and which will continue to improve until retarded by the frosts of winter.

Price, per lb., 60c; 10 lbs., \$5.50; lb. postpaid, 70c;

McDonald's Park Mixture

Composed entirely of fancy, re-cleaned seeds, which are correctly proportioned for nearly all situations and conditions of soil. It does not, however, contain so much of the higher priced grasses as does our Evergreen mixture. The combination is such, that it will withstand a great deal of wear and retain at all times its lustrous green color. Very desirable as a medium priced mixture. Price: lb., 50c; 10 lbs., \$4.50; lb., postpaid, 60c.





for Beautiful and Enduring Lawns

McDonald's Shady Nook Mixture

For heavily shaded portions of the lawn, a special mixture of shade-loving grasses is particularly recommended. McDonald's "Shady Nook," for this purpose has produced very gratifying results and blends nicely with our "Evergreen," so that the two in combination provide a harmonious coloring of turf. In sowing under large trees, it should be borne in mind, that the trees have been continuously devouring the plant food in the soil, and as a result, an application of fertilizer, bone meal or sheep manure, will prove wonderfully effective in establishing a thick, healthy growth of grass in shaded places. Price, lb. 80c; 10 lbs., \$7.50; lb. postpaid, 90c.

McDonald's Putting Green Mixture

Our purpose in blending this mixture has been to produce a short, very dense turf of durable and permanent texture for use on putting greens, croquet lawns, tennis courts and bowling greens,—one that will not only possess beauty of color, but will be so close to the ground as to be almost part of it. A green of this description will permit of much the same delicacy and precision on the rolling or undulating surface as the billiard player seeks on the level bed of the table. The different grasses are therefore deep rooted, and the hardiest and finest of the dwarf growing varieties. Price, per lb., 75c; postpaid, 85c. Write for special prices on large quantities.

Preserving Old Lawns

A lawn can be kept thick and flourishing, if, at intervals, the soil is stirred with a sharp rake, and seed sown on this area. This should be done just after the grass has been cut,—preferably, immediately after a rain shower. Every Spring and Fall, a light sowing of seed should be used to fill in bare spots, and thicken the growth. A good lawn roller is particularly desirable in completing this process.

McDonald's Terrace Mixture

A satisfactory growth upon a terrace or embankment requires a special blend of grasses having strong, deep spreading roots. The soil is usually shallow and there is always some likelihood of heavy rains washing out the grass unless it is strong and deep rooted. This mixture will be found ideal. Price: per lb., 60c; 10 lbs. \$5.50; lb. postpaid, 70c.

McDonald's Fair Green Mixture

A blending of grasses that will produce a smooth, compact and lasting turf. The different seeds are all of fancy, re-cleaned quality, and selected as those best adapted to this purpose. Price: per lb., 40c; postpaid, 50c. Write for special prices on large quantities.

White Dutch Clover

Forms a close herbage and remains green throughout the season. Perfectly hardy and will not winter kill. Frequently used in combination with lawn grasses in very limited quantity. Quarter pound is sufficient to sprinkle very sparingly over lawn area of 1,000 square feet. Price: lb., 80c; postpaid, 90c.





McDonald's Tested Seeds

WITH a little well directed effort in the making of your garden, nature will be found generous in her reward. Someone has well said "To be careful, is to be wise; to be wise, is to be careful." Care in the selection of the seed you plant, is undoubtedly the height of wisdom. Do not forget that a little more spent on high-grade, pedigreed seed to begin with, will always give you larger, heavier, and better crops, at the end of the season.

McDONALD'S TESTED SEEDS have attained to their present high standard of quality, by years of selection and improvement. They are full of life, produce abundantly, are true to type, and adapted to climatic conditions of Canada.

Vegetables—

Artichoke

Fr.—Artichaut

CULTURE.—Start indoors February or March, or outdoors May or June. Seed should be sown thinly $\frac{1}{2}$ inch deep, and when large enough transplant to permanent rows three feet apart and two feet between the plants. A deep rich sandy soil is best.

A bed once established will continue to bear for several years, but it is advisable to start new plantings every three years to obtain satisfactory yields. In late fall cut off tops and apply leaves or coarse manure as winter protection.

LARGE GREEN GLOBE.—The favorite French variety, grown for edible heads and leaves which are boiled and eaten hot or cold or for pickling when half grown; buds large, scales green, very thick and fleshy. Pkt. 10c; oz. \$1.20; $\frac{1}{4}$ lb. \$4.00, postpaid.

JERUSALEM ARTICHOKE.

One of the easiest and most profitable vegetables to grow having a food value equal to potatoes, and being used in a similar way—It is entirely distinct from the French Artichoke, the plants resembling a sunflower in stalk, leaves and flowers, and the tuber like roots being the edible part. They really belong to the sunflower family and should be planted in the back ground of a garden as an adornment as well as a useful vegetable.

The roots are cut and planted like potatoes. They need planting but once, grow well in poor or gravelly soil and are enormously productive. You dig them only as you want them—for they are perennial and do not kill-out; in fact they keep better in the ground. Price, 1 lb. 30c, postpaid; by express at purchaser's expense: peck, 75c; bushel, \$2.50.

Asparagus Fr.—Asperge

Asparagus properly grown is tender, tasty and toothsome. But as this tenderness is due solely to quick growth—the soil must be enriched and carefully prepared.

CULTURE.—Sow seed May or June thinly in drills, one inch deep, giving each plant two or three inches space in the row. Soil should be well enriched and thoroughly prepared. When one or two years old, transplant into furrows 2 to 4 feet apart and 10 to 12 inches deep, or as deep as surface soil will permit. Leave about 18 inches between plants in the row. Roots should be well spread and covered to a depth of two or three inches. Fill in gradually as plants grow. Cut very sparingly, if any, the first year after transplanting. In Fall, cut and burn stalks and apply a dressing of coarse manure.

GIANT ARGENTEUIL.—This handsome variety is of French origin. The shoots are of unusually large size, thick heads, closely set with scales and slightly pointed and of superior tenderness and flavor. Pkt. 10c; oz. 20c; 2 ozs. 30c; $\frac{1}{4}$ lb. 50c, postpaid.

PALMETTO.—A most desirable sort of large size and dark green color. More regular and even in size than any other variety. Pkt. 10c; oz. 20c; 2 oz. 30c; $\frac{1}{4}$ lb. 50c, postpaid.

ASPARAGUS ROOTS.—A saving of two or more years can be made by the planting of roots. See planting directions on this page.

Price, by express, at purchaser's expense:
Strong 1 year-old Roots: 50 for 90c; 100 for \$1.50, postpaid.
Strong 2 year-old Roots 50 for \$1.50; 100 for \$2.50, postpaid.





Crimson Globe

CRIMSON GLOBE.—A magnificent variety, perfectly globular in shape. Roots are of nice medium size, a deep crimson in color; flesh sweet and deliciously tender. Pkt. 10c; oz. 20c; 2 ozs. 35c; ¼ lb. 60c; lb. \$2.00, postpaid.

HALF LONG BLOOD.—An excellent sort for winter use. Color, dark blood red; flesh delightfully crisp and tender at all stages of growth. Pkt. 10c; oz. 20c; 2 ozs. 35c; ¼ lb. 60c; lb. \$2.00, postpaid.

IMPROVED LONG BLOOD.—A good late variety for fall and winter use. Skin dark purple, almost black; flesh dark red, very tender and sweet. Pkt. 10c; oz. 15c; 2 ozs. 25c; ¼ lb. 40c; lb. \$1.40, postpaid.

Broccoli Fr.—Chou Brocoli

One ounce will produce about 2,000 plants.

Broccoli is very similar to cauliflower, thriving under the same conditions of culture, although usually easier to grow. When heads have formed tie leaves up over head to blanch. Seed usually sown from early in April to end of May and the plants set out in June or July.

EARLY PURPLE CAPE.—Heads of good size, close, compact, brownish purple. Pkt. 10c; ½ oz. 75c; oz. \$1.25.

WALCHEREN.—Fine large heads of a creamy-white color. Pkt. 10c; ½ oz. \$1.00; oz. \$1.75, postpaid.

Brussels Sprouts Fr. Chou—Bruxelles

One ounce will produce 2,000 plants.

Allied to cabbage and highly esteemed for boiling. Very delicious during the fall and winter months, after having been touched by frost. The stalks grow 2 to 3 feet high and are covered with small heads resembling miniature cabbages. Undoubtedly the most delicious and delicately flavored of the cabbage family.

CULTURE.—Cultivate same as Cabbage. Break leaves from stalks to aid head formation.

DALKEITH.—A famous Scotch sort; stalks large, thick and close-jointed, producing an abundance of large, firm sprouts. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.

DANISH MARKET.—This variety we strongly recommend for general cultivation. The plants are of medium height, very hardy and robust in growth while stems are covered with compact, globular sprouts which are deliciously flavored. Pkt. 10c; 2 ozs. \$1.25; ¼ lb. \$2.25.

Borecole or Kale Fr.—Chou Vert

One ounce will sow 300 feet of drill.

A popular boiling green for Fall, Winter and early Spring use, tasting something like cabbage. Usually cut for use when leaves are 6 inches or more in length. The flavor of these greens is slightly improved by moderate frost.

DWARF GREEN CURLED.—Grows to a medium height and is beautifully curled like parsley, giving a very ornamental appearance. It is very hardy; table quality is improved by a moderate degree of frost. Pkt. 10c; oz. 50c; 2 ozs. 90c; ¼ lb. \$1.50, postpaid.

CULTURE.—In May or June sow seed outdoors ½ inch deep in drills 24 inches apart. In July transplant to stand 18 inches apart in rows 3 feet apart. Requires same cultivation as cabbage.

TALL SCOTCH KALE.—Plants are larger and more branching than the preceding sort, and the leaves are a lighter green in color. It is very tender and makes a delicious winter dish when cooked. Pkt. 10c; oz. 40c; 2 ozs. 70c; ¼ lb. \$1.25, postpaid.

Beets Fr.—Betterave A Real Table Delicacy

One ounce will sow 50 feet of drill. 5 pounds per acre.

Either as greens or the fully developed roots the beet has won a well deserved place in the household cuisine. In fact, there is no plant used for greens that can equal the beet for flavor or tastiness and the boiled or pickled beet root adds zest to any meal. Grow plenty of beets—sow them generously—with greens in mind—as well as an ample supply for Fall and Winter use.

CULTURE.—Rich light soil is best suited to this crop. Sow seed from May to July in drills 12 to 18 inches apart and 1 inch deep. Soil should be pressed firmly over the seed to ensure good germination. Thin from 4 to 8 inches apart according to variety after plants have made a few leaves. Thinning may be done gradually. Young plants being used for greens may be pulled early, later small tender roots, and so on, leaving the last of the roots to attain their normal size.

★ **CROSBY'S EGYPTIAN.**—A prime favorite with many market gardeners. The roots are of handsome form with small tops and very small tap roots.

It is of good size; rapid growth; very sweet, tender and of excellent quality. Pkt. 10c; oz. 20c; 2 ozs. 35c; ¼ lb. 60c; lb. \$1.75, postpaid.

★ **DETROIT DARK RED.**—Particularly desirable as a bunching sort for early market use. Tops are small and upright, permitting of close planting. Roots medium in size, globular and very smooth; skin a dark blood-red; flesh bright red, fine grained, crisp, tender and sweet. Pkt. 10c; oz. 20c; 2 ozs. 35c; ¼ lb. 60c; lb. \$2.00, postpaid.

EARLY WONDER.—Claimed to be the earliest, most uniform, bunch Beet in existence. It is a deep blood type, nearly globular in shape; small, clean, tap root; medium sized top. A field of these Beets will mature so evenly that every one can be pulled in two weeks. Pkt. 10c; oz. 20c; 2 ozs. 35c; ¼ lb. 60c; lb. \$2.00, postpaid.

★ **EXTRA EARLY EGYPTIAN.**—One of the most desirable and popular sorts both for market and private garden use. No other variety can equal it for earliness. The root is a deep blood-red in color, rounded on top and flat beneath. The flesh is richly colored purplish-red and of splendid quality. Pkt. 10c; oz. 20c; 2 ozs. 35c; ¼ lb. 60c; lb. \$1.75, postpaid.

EDMAND'S BLOOD TURNIP.—A very desirable turnip-shaped beet; skin and flesh are of a deep blood-red, sweet and tender; unsurpassed for solidity and keeping qualities, consequently of special value as a main crop sort. Pkt. 10c; oz. 15c; 2 ozs. 25c; ¼ lb. 40c; lb. \$1.40, postpaid.



Extra Early Egyptian



Detroit Dark Red

Beans Fr.—Haricots Nains*The vegetable beef steak—rich in nutriment***Wax Pod Varieties**

Beans will grow on the poorest of soil—dry, sandy land, not fit for other crops will often raise fine crops of beans. But although beans take a part of their plant food directly from the air—if you want early beans—crisp and tender—a rich, responsive soil produces best results.

McDonald's seed beans are pure bred, carefully selected and will grow true to type.

CULTURE.—Beans must not be planted until ground becomes warm and dry. Sow in drills 2 feet apart, placing Beans 2 to 3 inches apart in the rows and 2 inches deep. Plant every two or three weeks for succession. Keep ground well stirred and free from weeds.

Plant 2 lbs. to 100 feet drill. 1½ bushels per acre.

If wanted by mail, add 10c ½ lb. 15c per lb., or 35c per 5 lbs.

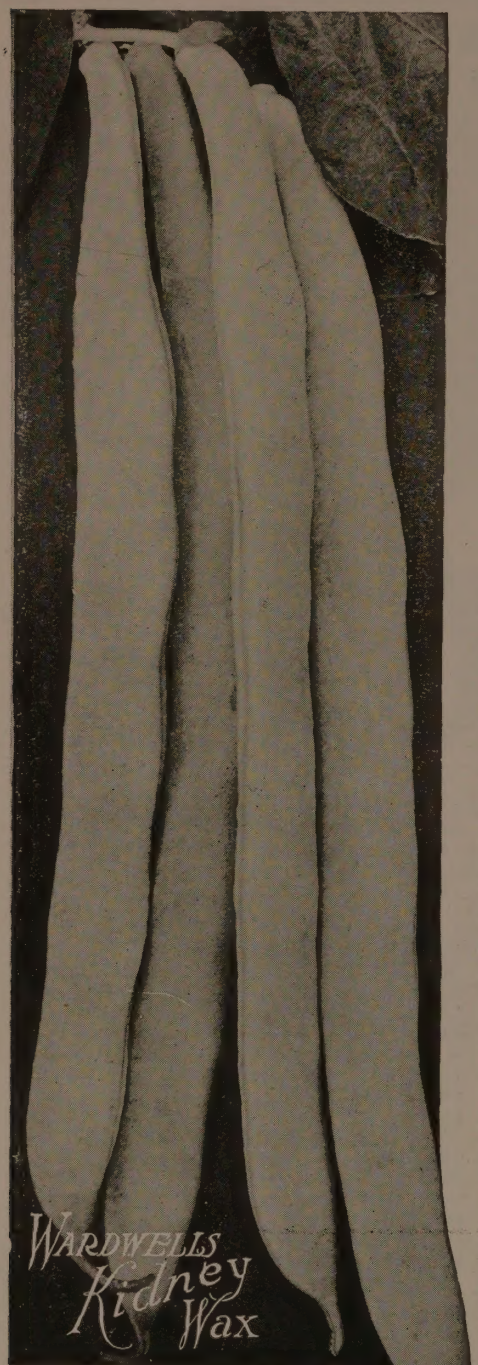
IMPROVED GOLDEN WAX.—One of the earliest, hardiest and most productive of all wax beans; pods are broad, flat, golden yellow, meaty and well filled. No mistake can be made in planting this variety for either market or family use. A tremendous bearer and by successive planting will give pods throughout the entire season. Pkt. 10c; ½ lb. 30c; lb. 50c; 5 lbs. \$2.00.

HODSON WAX.—While this sort is just a little later in maturing than most of the other varieties, it produces enormous crops of large, handsome, creamy-yellow pods. The remarkable vigor of the plant is a safeguard against blight and other bean diseases. Highly recommended as a main crop variety. Pkt. 10c; ½ lb. 35c; lb. 60c; 5 lbs. \$2.50.

★ **DAVIS WHITE WAX.**—The plant is vigorous and highly productive, carrying its handsome, long pods in clusters well above the ground. It is very early, rust-proof and entirely stringless. The dry beans are kidney shaped pure white and fine for cooking purposes. Pkt. 10c; ½ lb. 35c; lb. 60c; 5 lbs. \$2.50.

WEBBER WAX.—An early, heavy yielding, plump-podded variety. A new wax bean somewhat resembling Wardwell's Kidney Wax, but with pods rounder and of unsurpassed tenderness and delicious quality. The vine is strong, holding the pods well up from the ground. The pods and seeds are of a handsome bright yellow color. Pkt. 10c; ½ lb. 30c; lb. 50c; 5 lbs. \$2.00.

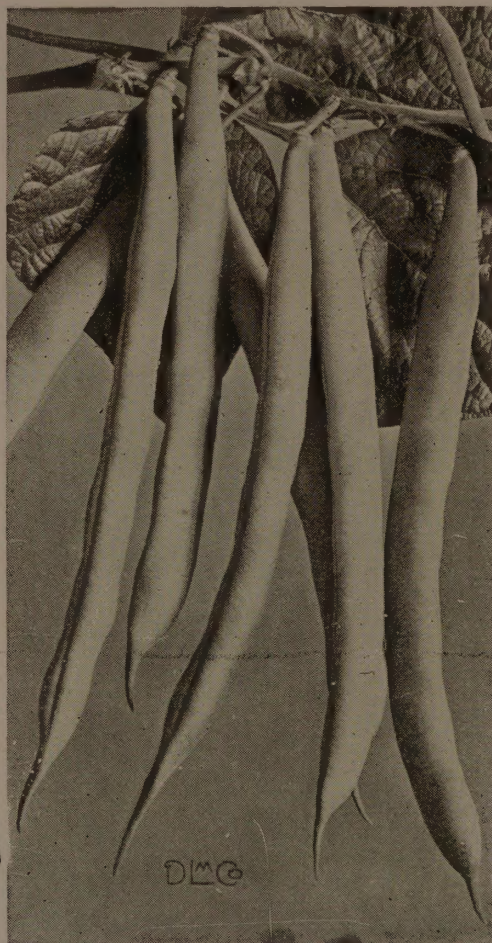
SCARLET FLAGEOLET WAX.—Extensively used by market gardeners in all parts of the country, a fact which speaks highly in its favor. The pods are very long, broad, flat and of rich golden yellow. Pkt. 10c; ½ lb. 30c; lb. 50c; 5 lbs. \$2.00.

WARDWELL'S
Kidney
Wax

★ **WARDWELL'S KIDNEY WAX.**—Pods are long, broad, flat, and of a waxy color, brittle and entirely stringless. Not inclined to rust or disease. Excellent for home use and widely used by market gardeners. Matures in 6 or 7 weeks and holds up well for shipping. Pkt. 10c; ½ lb. 35c; lb. 60c; 5 lbs. \$2.50.

PENCIL POD BLACK WAX.—The pods are truly magnificent, being six to seven inches long, light golden yellow in color, beautifully rounded and deeply saddle backed. The flesh is brittle, solid and entirely stringless; the plants are of true bush form, 15 inches high, hardy and very prolific. A prime favorite and admirably suited to the needs of the market gardener. Pkt. 10c; ½ lb. 35c; lb. 60c; 5 lbs. \$2.50.

CURRIE'S RUSTPROOF. Combines good quality with extreme earliness, and productiveness, which places it in popular demand with the market grower. The pods are flat and straight, moderately meaty, from 5" to 6" in length. The yield is unusually heavy. As the name implies, it is entirely free from rust. Price, Pkt. 10c; ½ lb. 30c; lb. 50c; 5 lbs. \$2.00.



Pencil Pod Black Wax

★ **ROUND POD KIDNEY WAX.**—The pods are round, fleshy of a beautiful waxy color, delightfully tender, brittle and entirely stringless during the entire growth. Round pod beans retain their freshness longer than the flat podded sorts. Pkt. 10c; ½ lb. 35c; lb. 60c; 5 lbs. \$2.50.

BURPEE'S NEW KIDNEY WAX.—Sturdy growers and big yielders. Pods are long, fleshy, of fine quality and entirely stringless. The bushes are erect and from 18 to 20 inches in height. The pods are flattened in form, 6 to 7 inches long, ½ inch broad and ¾ inch thick—of a rich lemon yellow color. They are remarkably meaty, tasty and a casual snapping of the pods will show their brittleness and fine quality. Even in wet summers the foliage is free from blight and the pods free from rust. Pkt. 10c; ½ lb. 35c; lb. 60c; 5 lbs. \$2.50.



Improved Golden Wax



Webber Wax

Dwarf Bush Limas

The Limas are most excellent and should be more generally grown. The shelled beans have a delicious flavor, either green or ripe—grow easily and are great bearers. They should have a place in every garden.

CULTURE.—Use 2 lbs. for 100 hills. Sow beans 2 inches deep, 2 beans to the hill, placing the eyes down. Hills should be 18 inches apart in rows 3 feet apart.

BURPEE'S IMPROVED BUSH LIMA. Comes absolutely true from seed. The bushes grow from 18 to 20 inches high, of stout growth, and always erect, yet branching so vigorously that each develops into a magnificent circular bush from 2 to 3 feet in diameter. It is an immense yielder, the handsome, large pods, 5 to 6 inches long by 1¼ inches wide, being filled with large beans, identical in size and luscious flavor with the Pole Limas. Pkt. 10c; ½ lb. 35c; lb. 60c; 5 lbs. \$2.75.

HENDERSON'S BUSH LIMA.—Earliest of all Limas, wonderfully productive; and although beans are not so large as Burpee's they make up in quantity what they lack in size. Of true bush form and from 18 to 20 inches in height. Pkt. 10c; ½ lb. 35c; lb. 60c; 5 lbs. \$2.75.

TWO UNUSUAL BEANS.

ENGLISH BROAD WINDSOR BEANS.—Plant as early as ground will permit in rows from 2½ to 3 feet apart, in drills 2 inches deep, dropping seed from 4 to 5 inches apart in the row. Earth up when six inches high. When a sufficient blossom has developed to insure a crop, pinch off the tops of the plants. They prefer rich and somewhat moist land, but do well in any good ordinary soil. Pkt. 10c; ½ lb. 35c; lb. 60c; 5 lbs. \$2.75.

CUBAN ASPARAGUS OR YARD LONG.—Entirely distinct from any of the preceding sorts. The pods grow from 2 to 3 feet long, having the thickness of a lead pencil; green, palatable and tender. Pkt. 15c; ¼ lb. 30c; ½ lb. 50c; lb. 90c.

PLEASE NOTE—We price Beans in ½ lb. rather than ¼ lb. quantities as is general with other houses.

Beans—Pole or Running Varieties

Use poles 6 to 8 feet long, placing them 3½ feet apart each way.

Sow 4 or 5 beans around each pole, and thin to 3 plants to the pole.

GOLDEN CLUSTER WAX.—A magnificent variety, bearing continually the entire season. It is most vigorous in growth, producing its rich golden yellow clusters in great abundance. The pods are from six to eight inches long, exceedingly tender, entirely stringless and of delicious flavor. Pkt. 10c; ½ lb. 35c; lb. 60c; 5 lbs. \$2.75.

★ **KENTUCKY WONDER.**—Very early and enormously productive, the long green pods hanging in clusters from top to bottom of pole, often yielding a peck from a single vine. Pods of a silvery green color and entirely stringless. We regard this variety as most desirable and the best and earliest of all green podded climbing beans. Pkt. 10c; ½ lb. 35c; lb. 60c; 5 lbs. \$2.75.

LAZY WIFE.—The pods are a medium, dark green color, and are produced in clusters, which makes the picking of them an easy task; they are broad, thick, very fleshy, entirely stringless and retain their tender and stringless qualities until nearly ripe. Each pod when ripe contains six or eight round white beans, which are excellent for winter use. Pkt. 10c; ½ lb. 40c; lb. 70c; 5 lbs. \$3.00.

SCARLET RUNNER.—Plants are of strong, quick growth, bearing a profusion of bright scarlet flowers, grow from 12 to 15 feet high, and while usually cultivated as ornamental climbers the beans when young are very tender and excellent when shelled. Pkt. 10c; ½ lb. 35c; lb. 60c; 5 lbs. \$2.75.

PLEASE NOTE—Beans are not postpaid



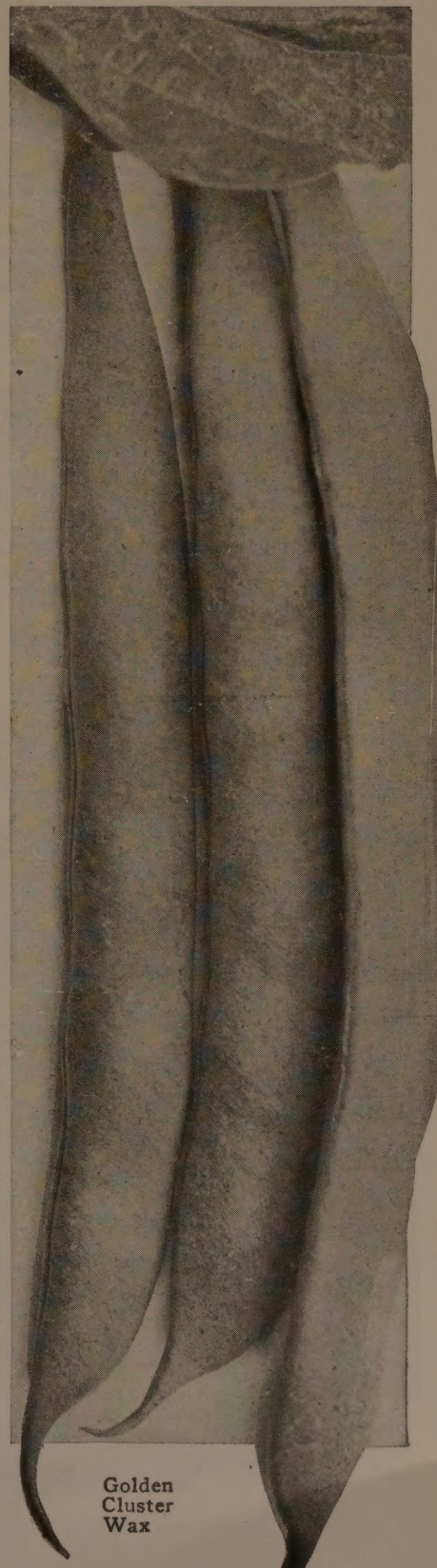
Stringless Green Pod

Green Pod

★ **STRINGLESS GREEN POD.**—The most widely grown of any of the green-podded bush beans. Round podded, thick meated, tender and stringless. Very early and an excellent yielder, combining quality with heaviest production. Too much can hardly be said in praise of this as a green-podded variety. Pkt. 10c; ½ lb. 30c; lb. 50c; 5 lbs. \$2.00.

EXTRA EARLY RED VALENTINE.—Very desirable as an extra early sort for market use. Pods are of medium length; fleshy, round and saddle-backed, with only slight strings. Seed pink marbled with red. Pkt. 10c; ½ lb. 30c; lb. 50c; 5 lbs. \$2.00.

WHITE PEA OR NAVY BEAN.—This is the small-seeded, pure white variety so generally grown for cooking in dry state. Pkt. 10c; ½ lb. 20c; 1 lb. 30c; 5 lbs. \$1.25.



Golden Cluster Wax

Seeds That Grow Good Crops



Cabbage Fr.—Chou

One ounce will sow 300 feet of row and produce about 2,000 plants.

Cabbage is almost as universally grown as potatoes, but its successful cultivation depends on a careful selection of varieties and reliable northern grown seeds. Indeed the necessity of pure bred seed is more evident with cabbage than in any other vegetable. Our stocks are produced for us by some of the most famous growers in Denmark—where the long, cool seasons are wonderfully suited to the growing of the finest varieties of cabbage. The quality of seed often means the difference between a crop of solid heads and a crop of leaves.

McDonald's Cabbage Seeds come from the world's famous growers and are the highest grade known. When buying you have the knowledge that your cabbage is sure to grow—sure to head—sure to keep.

CULTURE.—Rich sandy loam is best. For early use sow ½ inch deep in hotbeds in March, or for late use seed may be sown in the open ground in May or June. Transplant to rows 2 feet apart and 18 inches between the plants. In transplanting be sure to set the young plants down to the first leaves. Where economy of space is necessary Lettuce or Radish may be sown between the rows. They will be out of the way before the Cabbages require the room.

Early Varieties

★ **COPENHAGEN MARKET.**—A Big Money Maker for the Market Gardener—This remarkable cabbage matures but a few days later than Jersey Wakefield. It is undoubtedly the finest of the early ball-shaped sorts, and is thoroughly fixed as to type, the heads all maturing at the same time, which is a valuable consideration to market gardeners. The heads are unusually solid with small core, and average about ten pounds in weight; quality is excellent; leaves, bright green in color, saucer-shaped and always tightly folded. Our seed is genuine, obtained from original source of supply. Pkt. 10c; oz. 90c; 2 ozs. \$1.60; ¼ lb. \$2.75, postpaid.

★ **MCDONALD'S SELECTED JERSEY WAKEFIELD.**—This superior strain of the Jersey Wakefield is the result of most careful selection, and will be found in all respects the ideal first early cabbage for the market gardener. The heads are remarkably hard and solid for so early a cabbage, while the few outside leaves permit of close planting. Its uniformity and reliability for producing a crop make it a favorite with those who know it. Pkt. 10c; oz. 70c; 2 ozs. \$1.25; ¼ lbs. \$2.00, postpaid.



Copenhagen Market

Second Early Varieties

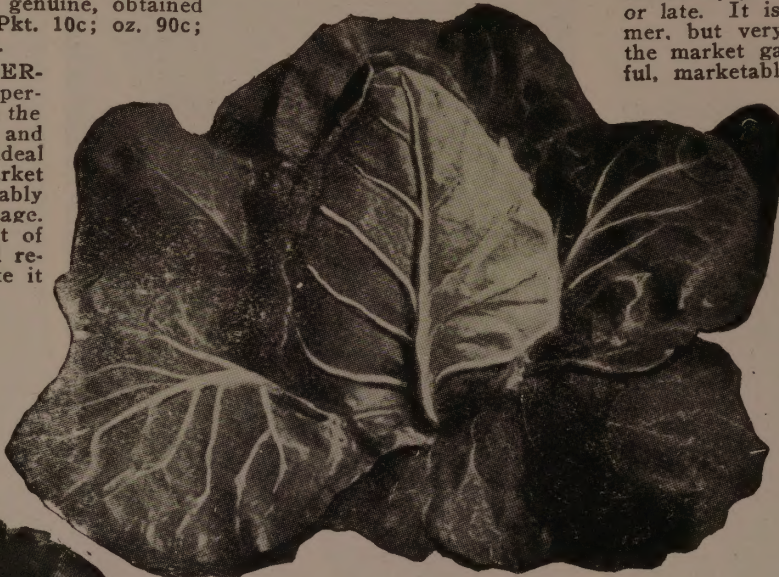
ALL SEASONS (Vandergaw)—As the name indicates, good for all seasons—early, medium or late. It is a little later than Early Summer, but very much larger in size, and for the market gardener is one of the most useful, marketable and profitable sorts to grow.

The heads are dark blue-green in color, and the quality in all respects very fine. Pkt. 10c; oz. 70c; 2 ozs. \$1.25; ¼ lb. \$2.00, postpaid.

WINNINGSTADT—A commendable sort for general use. Heads are of medium size and sharply pointed: very hard and of excellent quality. On account of peculiar texture and formation of the short, thick, bluish dark-green leaf, it is claimed that this sort is less susceptible to attack of insects and cabbage worms. Pkt. 10c; oz. 70c; 2 ozs. \$1.25; ¼ lb. \$2.00, postpaid.

HENDERSON'S SUCCESSION.—This is claimed by many to be the finest all-round cabbage in existence to-day, whether for medium, early or late crop use. It is of fair size, handsome color and best quality. Claimed by the originator to be the finest and best of his many introductions. Pkt. 10c; oz. 70c; 2 ozs. \$1.25; ¼ lb. \$2.00, postpaid.

PROTECT THIS
CROP FROM CAB-
BAGE WORMS BY
USING HAMMOND'S
SLUG SHOT.



McDonald's Selected Jersey Wakefield

GLORY OF ENHUIZEN.—We have listed this superior strain of cabbage for the past six years, and during this period it has found its way to the front rank as a second early sort. Market gardeners are particularly enthusiastic in its praise, and say they never had any variety to equal it. The heads are of large size, white in color, very solid, tender, fine-grained and of remarkably fine flavor. The outer leaves are closely folded to the head, which permits of very close planting. This is one of the best sorts, whether for private garden or market use. Pkt. 10c; oz. 75c; 2 ozs. \$1.35; ¼ lb. \$2.25, postpaid.

MCDONALD'S EVERBEST SUMMER.—A new strain of summer cabbage which gardeners will find ideal to follow Copenhagen Market. It is ten to twelve days later than that variety and considerably larger in size. The heads are of handsome rounded form; the outside leaves are small-saucer shaped and tightly overlapping, which permits of closest planting. It is a short stemmed variety, the heads being produced near to the ground. When cut, the inside portion is extremely white and of finest texture and quality. We recommend this very highly as a general purpose cabbage, because while quite early, when planted for late crop it possesses excellent keeping qualities. Pkt. 15c; oz. 90c; 2 ozs. 1.60; ¼ lb. \$2.75.



McDonald's
Everbest



Autumn King

LATE OR WINTER CABBAGE.

AUTUMN KING.—One of the old time varieties, and probably the finest of all large, late drumhead cabbage grown at the present day. The heads are of enormous size, dull green in color, while the interior portion is white, crisp, fine-grained, and of splendid sweet quality. Autumn King, it is claimed, will produce greater weight per acre than any other variety of the drumhead type. Pkt. 10c; oz. 70c; 2 ozs. \$1.25; ¼ lb. \$2.00, postpaid.

PREMIUM or LATE FLAT DUTCH.—No cabbage has been more universally grown than this. Heads are large, very solid, broad, flat on top. Our strain of seed is reliable for heading, evenness of crop and size. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.

DANISH BALLHEAD or HOLLANDER.—Has few equals for Winter use. Very hardy, sure heading, solid, and one of the very best keepers. Heads are medium size, round, is most excellent shipper. Quality is second to none. Seed we offer is grown for us under contract by the best growers in Denmark, and will produce more uniformly heads than can be grown from stock obtained elsewhere. Pkt. 10c; oz. 75c; 2 ozs. \$1.35; ¼ lb. \$2.25.

PERFECTION DRUMHEAD SAVOY.—For winter use this variety is unsurpassed, heads large and solid, very tender and of excellent flavor. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.

CELERY OR CHINESE CABBAGE

PE-TSAI.—Resembles Cos lettuce in appearance and in demand as a salad for fall and winter use. Culture, same as late cabbage, planting in July and August as earlier plantings run quickly to seed. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75.

Red Cabbage

These two varieties of red cabbage have proved their right to be considered the leaders of this type. You will find that they produce abundantly under proper conditions.

ROUND RED DANISH.—Of the same desirable type, but smaller size, than Danish Ballhead; in color, a deep purplish-red. Uniform in size, solidity and weight. Pkt. 10c; oz. 90c; 2 ozs. \$1.60; ¼ lb. \$2.75, postpaid.

MAMMOTH ROCK RED.—Best large headed sort; has been in foremost demand for years past. Heads uniformly solid and of deep red color. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.

Chervil Fr.—Cerfeuil

One ounce will sow 100 feet of drill.

CULTURE.—Sow in drills 1 foot apart covering seed ½ inch. Thin out plants to stand 4 inches apart in the row; leaves ready for use in from six to eight weeks. The curled variety is used for garnishing and flavoring soups and salads.

DOUBLE CURLED.—Even more beautiful than parsley and can be used to great advantage in garnishing meats or vegetables. Leaves are also used in soups and salads. Pkt. 10c; oz. 50c; 2 ozs. 90c; ¼ lb. \$1.50, postpaid.

Celeriac

Fr.—Celeri-Rave

Celeriac is a Turnip rooted celery.

Absolutely different from the tall celeries as the edible portion is the large turnip like root—much used for flavoring soups, stews and other dishes.

CULTURE.—1 ounce will produce about 3,000 plants. Sow seed and cultivate same as Celery. Requires no earthing up.

LARGE SMOOTH PRAGUE.—This is unquestionably the largest and best celeriac in existence. Roots large, globe-shaped and smooth. It is the finest vegetable grown for soups, giving a flavor which celery itself cannot furnish. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.



Perfection Drumhead Savoy

DANISH ROUNDHEAD.—The best of all Winter Cabbage. While not of large size, the heads are remarkable for solidity and weight. The plant is vigorous in growth, short-stemmed, and exceedingly hardy in resisting cold and dry weather. The outer leaves are of a bluish-green; the inner blanched to purest whiteness. It is impossible to obtain a finer selection of stock than we offer in this special strain, and consequently we recommend it most highly. Pkt. 10c; oz. 75c; 2 ozs. \$1.35; ¼ lb. \$2.25, postpaid.

Chives

Fr.—Ciboulette

Hardy little perennials, grown for their hollow grass-like leaves, which are produced in great abundance very early in the Spring. Used for salads and seasoning, imparting a mild onion-like flavor. Pkt. 20c; ¼ oz. 90c; ½ oz. \$1.75; oz. \$3.25, postpaid.

CHIVES.—Strong roots. Each, 20c; 3 for 50c, postpaid.



Danish Roundhead
(Short Stemmed)



Finest Imported Rubbed Seed



Our carrots are selected from the finest French strains. There is positively nothing better in the seed growing world.

Carrots Fr.—Carotte

One ounce will sow 100 feet of drill. 2 to 3 lbs. to the acre.

Carrots are claimed by some to be a "beauty" food. But whether this is a fact, or not, we know that the more general use of carrots and other vegetables as a part of the diet aids health and combats disease. They make an interesting and tasty addition to your selection of vegetables and should be included in every home garden.

CULTURE. —

Carrots should not be sown on newly manured ground, which tends to produce forked roots. Land should be manured the previous season. Carrots do best in a rich sandy loam well pulverized and deeply cultivated. Sow seed $\frac{1}{2}$ inch deep in drills 12 to 15 inches apart, as early in the spring as the ground can be worked. It is important in sowing carrot as well as all other seeds to firm the soil after planting. When plants attain a height of 1 to 2 inches thin to 5 or 6 inches apart.

★ **AMSTERDAM.**—Something entirely new in a Carrot—quite distinct from all others should find its way into every garden. It is without a single exception the earliest of all garden carrots. The roots are blunt pointed and from three to five inches long; flesh, bright red, almost coreless. The neck is very small surmounted with slender stems and short laced leaves. We do not hesitate to say that this carrot will please all who grow it. Pkt. 10c; oz. 20c; 2 ozs. 35c; $\frac{1}{4}$ lb. 65c; lb. \$2.20, postpaid.

NANTES HALF LONG.—An excellent half long, stump-rooted variety of superior quality. Tops medium size, roots almost cylindrical, very smooth; grows about 6 inches long. Color, orange red, shading to yellow in centre, but no distinct core. Claimed by many to be the sweetest and best flavored of all carrots. Pkt. 10c; oz. 20c; 2 ozs. 35c; $\frac{1}{4}$ lb. 65c; lb. \$2.20, postpaid.

★ **CHANTENAY**—This is without doubt the most popular main crop variety for market or general use. The flesh is of a rich golden orange, tender, fine-grained and free from hard core. The roots are unusually thick at the shoulder, gently tapering to a blunt point, which greatly facilitates the work of harvesting. Pkt. 10c; oz. 20c; 2 ozs. 35c; $\frac{1}{4}$ lb. 65c; lb. \$2.20, postpaid.

EARLY SCARLET HORN.—Particularly suited as a bunching sort for early market; length, from 3 to 4 inches; color, deep orange; flesh fine grained and of agreeable flavor. Pkt. 10c; oz. 20c; 2 ozs. 35c; $\frac{1}{4}$ lb. 65c; lb. \$2.20, postpaid.

DANVERS HALF LONG.—Adapted for planting in all classes of soil; half-long, 6 to 8 inches, somewhat tapering in shape and of a rich deep orange color. The flesh is fine grained and free from woody fibre. It will yield more tons to the acre than any other, and for this reason is extensively grown for stock, while at the same time one of the best for market or table use. Pkt. 10c; oz. 20c; 2 ozs. 35c; $\frac{1}{4}$ lb. 65c; lb. \$2.20, postpaid.

OXHEART or GUERANDE.—What this variety lacks in length it carries in thickness, and on this account is highly desirable for sowing in shallow or stiff, hard soils, where the longer varieties do not succeed. The flesh is of a bright orange color, fine grained and sweet. Fine for table and equally good for stock feeding. Pkt. 10c; oz. 20c; 2 ozs. 35c; $\frac{1}{4}$ lb. 65c; lb. \$2.20, postpaid.

Chicory

Fr.—Chicoree

1 ounce will sow 100 feet of drill.

Chicory grown as a salad plant is entirely distinct from the large rooted kind largely grown in Europe for its roots, which are roasted and used as a coffee substitute or adulterant. Witloof chicory is highly regarded as a Winter salad.

CULTURE.—Sow seed in open ground in May or June in drills 12 in. apart, later thinning the plants to stand 6 inches apart. Keep free from weeds by constant cultivation. About the first of November take up the parsnip-like roots, cut leaves off to within $1\frac{1}{2}$ inches of the neck, and shorten roots by cutting off the bottoms to within 8 inches of the neck. Plant roots upright 1 to 2 inches apart in trenches 16 inches deep in dark, warm cellar or under greenhouse bench, allowing the root neck to come with 9 inches of the level of the trench. Fill trench with good soil, and for quick growth cover with manure. About 4 weeks are required to force the roots to make edible sprouts.



WITLOOF, or FRENCH ENDIVE.—The blanched portion of this vegetable is esteemed for salads, being served with French dressing and eaten like Cos Lettuce. Marketed by dealers in fancy vegetables as French Endive. Pkt. 10c; oz. 50c; 2 ozs. 85c; $\frac{1}{4}$ lb. \$1.40, postpaid.



Henderson's Early Snowball.

Cauliflower Fr.—Chou-Fleur

1 ounce for 2,000 plants.

DANISH DRY WEATHER.—While failure of Cauliflowers to head on account of unfavorable weather conditions is frequent, Danish Dry Weather has finally overcome this difficulty, owing to its ability to produce fine, large heads under adverse conditions. The leaves are large and offer a great protection to the head in the hottest and driest months. Heads are of close texture, snow-white, and entirely free from coarse spots. While not so early as Extra Select Erfurt or Early Snowball, there is absolutely nothing better in quality. Pkt. 25c; $\frac{1}{4}$ oz. \$1.50; $\frac{1}{2}$ oz. \$2.75; 1 oz. \$5.00, postpaid.

EXTRA EARLY PARIS.—A well-known variety; medium-sized heads; tender and delicious. Pkt. 10c; $\frac{1}{4}$ oz. 80c; $\frac{1}{2}$ oz. \$1.40; 1 oz. \$2.50, postpaid.

Corn Salad

Fr.—Mache

2 ounces of seed will sow 100 feet of drill

Corn Salad is also known as Lamb's Lettuce or Feticus. It is an annual salad plant, grown for its leaves, which are very mild in taste; they are occasionally blanched, and sometimes cooked like Spinach.

The plant is tender to heat, but hardy to frost, and is chiefly grown as a Fall or Spring crop. It is quick growing, being ready for use in about six weeks from time of planting. For Spring crop, sow in September, or in the Spring as early as the ground can be worked. Pick the leaves when the plant is about as large as half-grown Lettuce. A later crop can be had from the same plants.

CULTURE.—For summer use sow seed in the spring $\frac{1}{2}$ inch deep in drills, drills 1 foot apart. Keep ground well cultivated and free from weeds. Does best in rich soil. For winter and spring use, sow in August.

BROAD LEAVED (Large Seeded).—Makes a delicious salad. Used during the winter and spring as a substitute for Lettuce. It is also cooked and used like Spinach. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c, postpaid.

The most delicious and tasty member of the cabbage family.

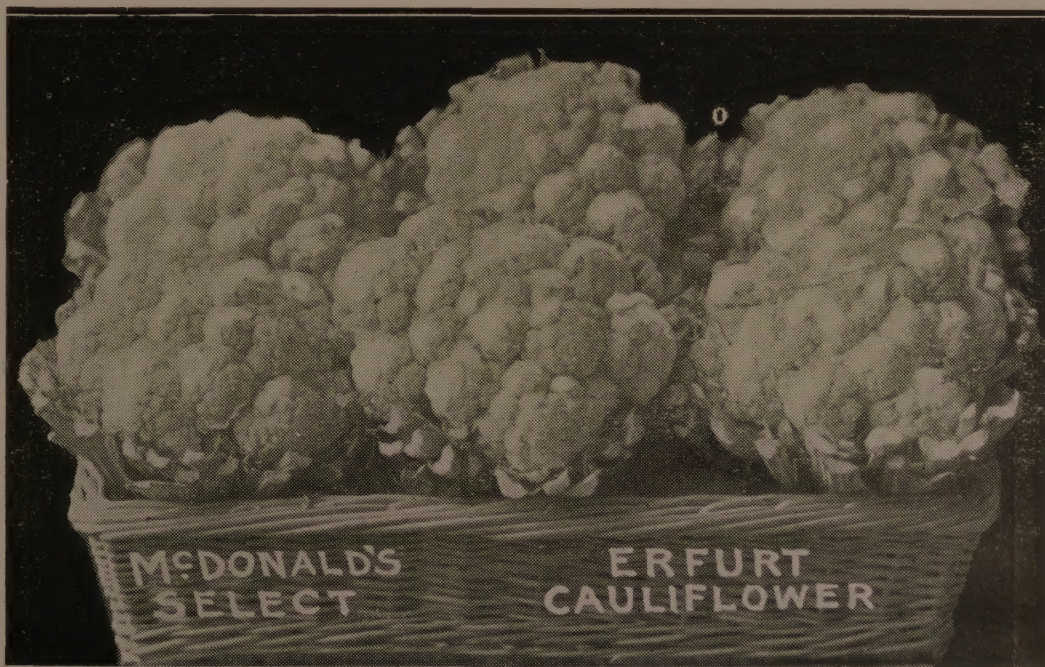
McDonald's varieties are all selected for their adaptability to Canadian conditions.

CULTURE.—Cauliflowers require deep rich moist soil. Sow seed in hotbeds during March. Transplant once before setting in the open ground. In May or June set out in rows 2 feet apart and 18 inches between the plants. For late crop sow seed in open ground after May 20th. Transplant and set out as above. When heads are forming tie leaves together loosely at the top to exclude the direct sun rays. This treatment keeps the heads clean, white and tender.

HENDERSON'S EARLY SNOWBALL.—Extremely early and produces magnificent, large, solid heads of a beautiful snowy-whiteness. Its compact habit combined with short outside leaves permits of closest planting. Pkt. 25c; $\frac{1}{4}$ oz. \$1.50; $\frac{1}{2}$ oz. \$2.75; 1 oz. \$5.00, postpaid.

VEITCH'S AUTUMN GIANT.—A late variety of vigorous growth, and well protected by foliage. Pkt. 10c; $\frac{1}{4}$ oz. 75c; $\frac{1}{2}$ oz. \$1.25; 1 oz. \$2.00, postpaid.

★ **McDONALD'S EXTRA EARLY DWARF ERFURT.**—Extensively used for market trade; very early and one of the surest to make large, solid heads of purest white. The curd is of fine texture and dense in growth; the plant has a short stem with close outer leaves. Pkt. 25c; $\frac{1}{4}$ oz. \$1.50; $\frac{1}{2}$ oz. \$2.75; 1 oz. \$5.00, postpaid.





Celery *Fr. Celeri*

★ **PARIS GOLDEN YELLOW.**—(Golden Self-Blanching).—This is the best of all "self-blanching" varieties. It is ready for use nearly as early as the White Plume, and is larger in size, while finer in quality. It is of dwarf, compact habit, with thick, solid, heavy-ribbed stalks, which blanch easily to a clear, waxy yellow color. The stalks are crisp and solid, free from stringiness, and of a most desirable flavor. More extensively used by market gardeners than any other. Pkt. 25c; $\frac{1}{4}$ oz. 60c; $\frac{1}{2}$ oz. \$1.00; oz. \$1.80, postpaid.

★ **WHITE PLUME.**—A valuable early variety; requires very little labor in blanching; desirable for early market, and one of the best for family use. Pkt. 10c; oz. 75c; 2 ozs. \$1.25; $\frac{1}{4}$ lb. \$2.00; postpaid.

GIANT PASCAL.—A desirable sort, possessing superior keeping qualities, which makes it one of the best for winter use. The stalks are of handsome appearance, broad, thick, solid, entirely stringless, crisp and tender. Pkt. 10c; oz. 75c; 2 ozs. \$1.25; $\frac{1}{4}$ lb. \$2.00, postpaid.

PARIS GOLDEN ROSE.—This is a sport of the Paris Golden Yellow, being identical in habit and growth. It is the most beautiful of all pink celeries, being equal to its parent in all respects, differing only in the bright rose ribs, and blanching with the same ease. Pkt. 10c; $\frac{1}{2}$ oz. 75c; oz. \$1.25, postpaid.

1 ounce of seed will produce 3,000 plants.

Celery is called the finest Winter Vegetable. When properly stored, the stalks keep crisp and nutty in flavor all Winter.

McDonald's celeries are selected for crispness, solidity and keeping qualities.

CULTURE.—Sow the seed in window boxes or hotbeds during March and April in finely prepared soil. Cover the seed from $\frac{1}{8}$ to $\frac{1}{4}$ inch deep. As the seed germinates slowly care must be taken that soil is kept moist. When plants are 3 inches high transplant to temporary beds where they should remain until strong and stocky. In order to produce more stocky plants some growers trim off the tops a little when they attain about 4 inches in height. Set in rows 3 feet apart and about 12 inches between the plants in the rows. After planting has been completed frequent cultivating is necessary to free soil from weeds. As Fall approaches, earth up for blanching. This is done by drawing the soil up to the plants with the hoe. It is further pressed around each plant with the hand, firm enough to keep leaves upright to prevent them from spreading. Earthing up is continued at intervals until only the leaves appear above the soil. Care must be taken to prevent the soil from falling into the heart of the plant. Winter in trenches or store in cool cellar.

WINTER QUEEN.—One of the finest varieties of dwarf Winter celeries, possessing the strong, vigorous growth of Giant Pascal. It is remarkable for keeping qualities and will last until the spring months when properly stored. The thick, heavily ribbed stalks, which surround a large golden heart, are of most desirable table quality when blanched. Pkt. 10c; oz. 75c; 2 ozs. \$1.25; $\frac{1}{4}$ lb. \$2.00, postpaid.

COLUMBIA.—Recommended as a Main Crop Variety. A valuable sort to follow Paris Golden Yellow. Stored at the same time it will be ready for use immediately following that variety. The stalks are broad and thick, almost round, solid and of highest quality. "Columbia" is of most attractive appearance, medium in height, blanches easily, and is a good winter keeper. Pkt. 10c; oz. 75c; 2 ozs. \$1.25; $\frac{1}{4}$ lb. \$2.00, postpaid.



Columbia.

Sweet Corn Fr.—Ble-d'Inde Sucre

Should have a place in every garden.

1½ lbs. will plant about 200 hills. 8 to 10 quarts for an acre in hills.

(If wanted by mail add 10c per ½ lb., 15c per 1 lb., 35c per 5 lbs.)

Sweet Corn—being the table variety of the Indian maize—is one of the most valuable of the “Edible seeds” group of vegetables because of its high content of both starch and sugar. For those who raise gardens a good supply of “corn on the cob” is a more than generous reward for careful selection of varieties and the little trouble entailed in cultivation.

McDonald's tested sweet corn comes from growers who have specialized in corn for a lifetime with the result of the splendid varieties on our list. All of them are backed by the McDonald reputation.

CULTURE.—Warm well drained soil containing a generous amount of plant food suits corn splendidly. Light soil with complete commercial fertilizer harrowed and plowed in at the rate of from 400 to 800 pounds to the acre will produce good crops. Sweet Corn being liable to rot in cold or damp ground should not be planted until ground becomes warm. Plant 2 inches deep in hills 3 feet apart each way with 4 or 5 kernels to the hill. Cultivate thoroughly. For succession of crops plant every three weeks.

★ Golden Bantam

Our special selection of Golden Bantam is far superior to the original stock, being more juicy, tender and sweet, and which will surely give delight and satisfaction to all who grow it. Golden Bantam” is, without doubt, the most popular of all extra early varieties, it is too the hardiest for our Canadian climate and can be planted fully a week earlier than any of the other sorts, which is surely an advantage not generally understood. In height, the stalks are 4 feet, and in good soil, frequently comes two and three ears per stalk, the ears measuring from five to seven inches in length. A money maker for the market garden, and the best ever for private use. Pkt. 10c; ½ lb. 25c; lb. 45c; 5 lbs. \$1.80.

DE LUE'S GOLDEN GIANT:—A corn of recent introduction and one of the most delicious of the yellow varieties. It is a strong grower and a wonderful producer, said to be the result of a cross between Golden Bantam and Howling Mob. It certainly has the good qualities of both parents. For those who desire a yellow corn it makes a fine sort to follow Golden Bantam. Pkt. 15c; ½ lb. 40c; lb. 70c; 5 lbs. \$2.75.

★ **EARLY MAYFLOWER**—Too much cannot be said of the merits of this new extra early sweet corn. Gardeners and others who planted it last season expressed themselves as delighted with the quality and earliness of the crop. It is fully a week earlier than Cory, while the ears are longer and of larger size. We do not hesitate to recommend “Early Mayflower” for both market and private planting. Pkt. 10c; ½ lb. 25c; lb. 40c; 5 lbs. \$1.60.

MAMMOTH WHITE CORY.—Ready for use within two or three days after Extra Early Cory. Ears, twelve-rowed and nearly twice the size of Cory. Pkt. 10c; ½ lb. 25c; lb. 40c; 5 lbs. \$1.60.

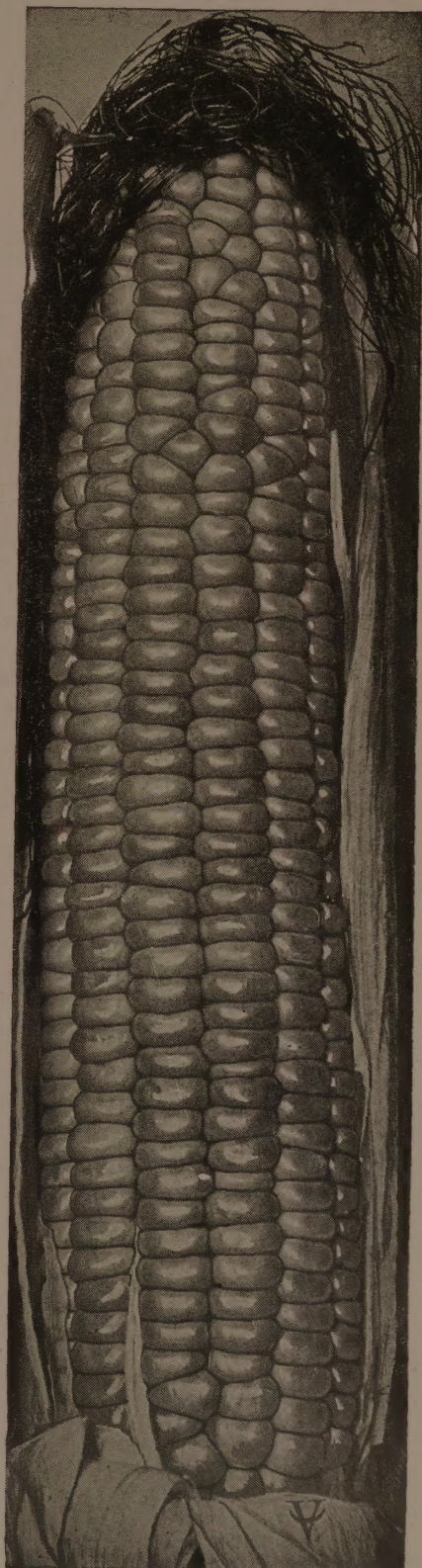
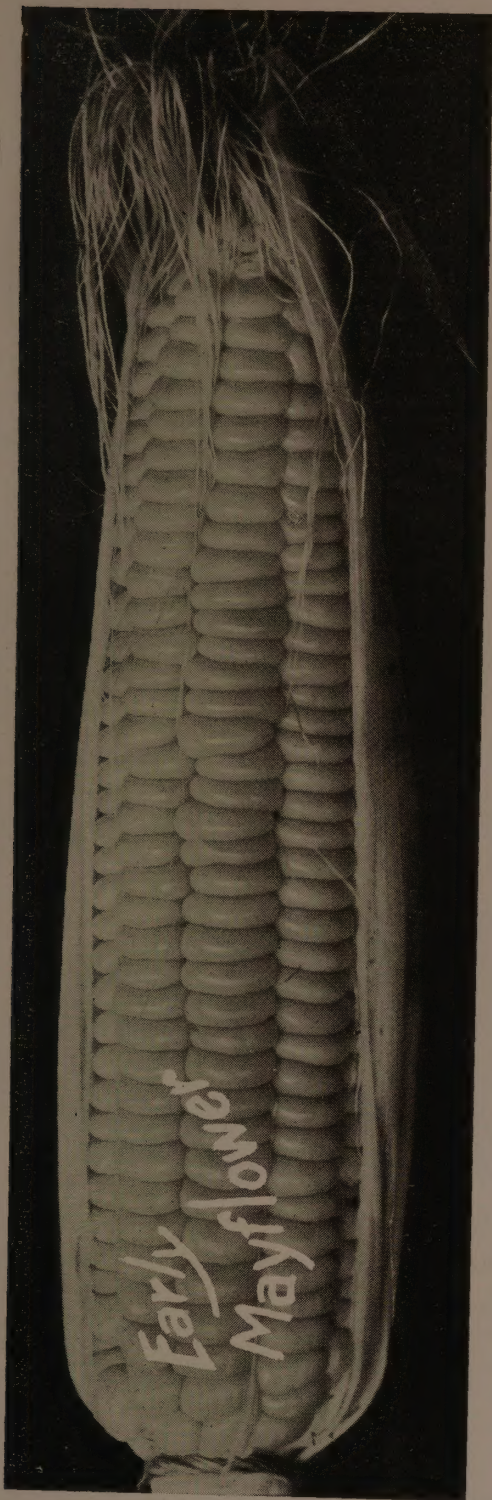
★ **COUNTRY GENTLEMAN.**—One of the finest and most delicious sugar varieties for table use. The ears are of good size and produced in great abundance. It is easily identified by the irregular arrangement of the small, but plump, pearly-white kernels. In season about ten days earlier than Evergreen. Pkt. 10c; ½ lb. 25c; lb. 45c; 5 lbs. \$1.80.

KENDAL'S EARLY GIANT.—An excellent sort and a staunch favorite with market gardeners as a second early. Stalks grow from four to five feet with one or two ears to each stalk; ears from eight to ten inches; broad kernels; quality very sweet and tender. Attains to market condition in from 65 to 70 days. Pkt. 10c; ½ lb. 25c; lb. 40c; 5 lbs. \$1.60.

STOWELL'S EVERGREEN.—The ears are large, deep grained. Quality is very tender and sugary to close of season. Pkt. 10c; ½ lb. 25c; lb. 45c; 5 lbs. \$1.80.

SPECIAL NOTICE.

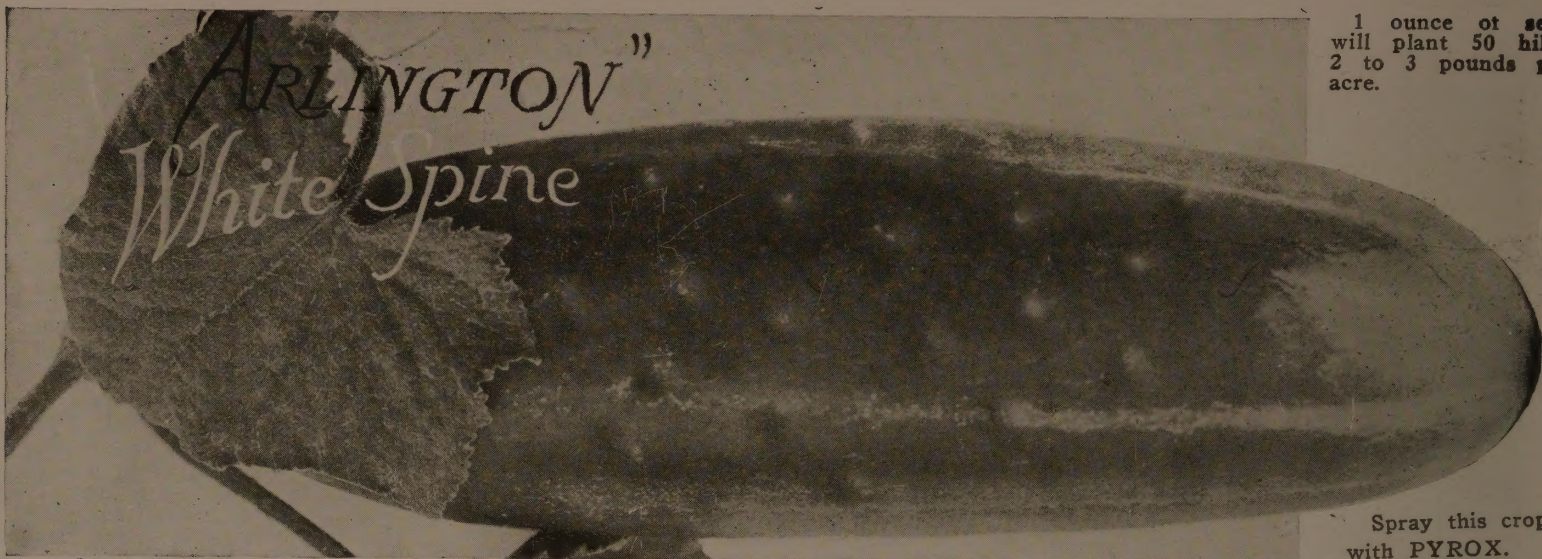
Owing to lack of space we are listing only the varieties of sweet corn that have been in most popular demand during past seasons. If other varieties are wanted, we have stock to supply.



Bantam Evergreen

BLACK MEXICAN.—One of the sweetest and most delicious of all sugar corns. When once tried it is usually repeated for the home garden. The ripened grains are of a peculiar bluish-black color, but when in table condition look remarkably white. Medium early in season. Pkt. 10c; ½ lb. 25c; lb. 40c; 5 lbs. \$1.60.

BANTAM EVERGREEN.—Bantam Evergreen (Golden Bantam X Stowell's Evergreen) is the first successful Bantam cross. The sweetness of Bantam is retained and the ears are well between the two for size. Like all crosses it takes many years to breed a uniform stock, and as a result there still remains about 20 per cent. somewhat off type. In season it is ready about same time as Crosby's Early. Pkt. 10c; ½ lb. 25c; lb. 45c; 5 lbs. \$1.80.



1 ounce of seed
will plant 50 hills.
2 to 3 pounds per
acre.

Spray this crop
with PYROX.

Cucumber Fr.—Concombre

One ounce of seed will plant 50 hills. 2 to 3 pounds per acre.

CULTURE.—When weather becomes warm and settled choose a rich sandy loam, well dug, pulverized and manured. Plant about 10 seeds, per hill $\frac{3}{4}$ inches deep, hills 4 feet apart each way. When danger from insects has passed, thin out, leaving 3 of the strongest plants in each hill. The fruit should not be permitted to ripen on plants as it reduces productiveness. By pinching leading shoots occasionally plants will fruit better. Keep ground well cultivated and free from weeds. For very early crops the seed may be sown in hotbeds, pots, boxes, or upon inverted sods. Plants can be transferred to open ground when conditions become favorable.

★ **ARLINGTON WHITE SPINE.**—One of the best for forcing, yet unsurpassed for open ground cultivation. Fruits are well shaped; regular in outline; 7 to 8 inches in length, and of a dark, glossy green color, slightly tipped with white at the blossom end, making it extremely attractive for market use. A strong grower and very prolific. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c; lb. \$2.25, postpaid.

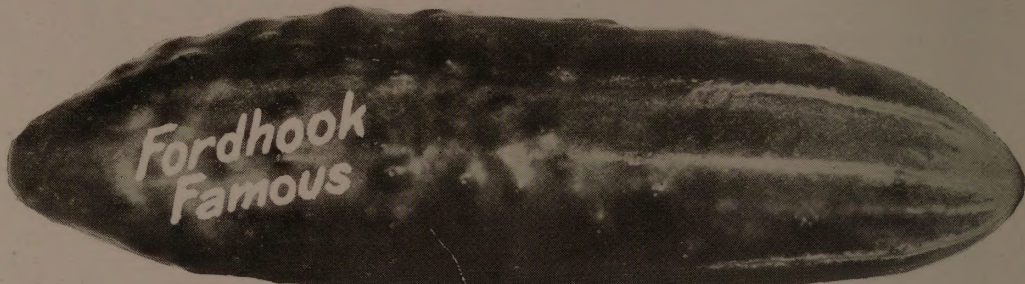
FORDHOOK FAMOUS.—A long green cucumber of the white spine type. Never turns yellow, even when ripe. Vines are of strong, vigorous growth and well set throughout the season with long, handsome fruits, of a bright green color, from 10 to 14 inches in length. Flesh white, firm, crisp, and very thick with comparatively few seeds. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c; lb. \$2.25, postpaid.

GREEN PROLIFIC; or, BOSTON PICKLING.—A standard variety which makes an ideal pickling cucumber. Fruits are of medium size, from four to five inches, slender in color. Vines vigorous, healthy, and remarkably productive. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.25, postpaid.

★ **IMPROVED LONG GREEN.**—Popular as ever. Excellent for table use or pickling. Fruits measure from 10 to 12 inches; dark green in color; flesh solid, crisp and of fine quality. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c; lb. \$2.25, postpaid.

DAVIS PERFECT.—One of the finest and most perfect cucumbers. Has length, slimness and dark green color, extreme vigor in growth and great productiveness. Desirable alike for indoor and outdoor planting. Readily commands the highest price in competition with other sorts. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c; lb. \$2.25, postpaid.

JAPANESE CLIMBING.—Vines grow to a height of from eight to ten feet, throwing out numerous tendrils, which may be trained on trellises or other supports, saving much space in small gardens. Two or three times larger crop can be produced than would be yielded by other sorts in similar space. Fruits are from 12 to 16 inches in length; thick through with well rounded ends. Quality first class. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c, postpaid.



EARLIEST OF ALL WHITE SPINE.—Careful selection has developed a strain of White Spine Cucumber which is not only extremely early but of beautiful form and color. It is exceedingly prolific and continues so from beginning to end of the season. The quality is excellent, being crisp, brittle and devoid of the bitter taste frequently noticed in other sorts. Fruits are of a deep green color and from eight to ten inches in length. Pkt. 10c; oz. 30c; 2 ozs. 50c; $\frac{1}{4}$ lb. 90c; lb. \$3.00, postpaid.

PARISIAN PICKLING.—Of French origin, its fruits are slim and tender, from three to five inches long and densely covered with very fine spines. The flesh is always hard, crisp and tender, and when in pickling stage shows practically no sign of seed. Pkt. 10c; oz. 35c; 2 ozs. 60c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00, postpaid.

IMPROVED TELEGRAPH.—A standard English frame variety, and the hardest and most prolific of this class. The fruits measure from 20 to 25 inches in length. Not generally used for outdoor culture, but wonderful results have been achieved by planting in the garden. Packet contains 12 seeds. Pkt. 25c.



Green Prolific

or Boston Pickling



Improved New York Purple Egg Plant.

Cress Fr.—Cresson

A salad and garnishing plant very popular in Europe and should be more extensively grown in Canada. It is of very simple Culture and provides one of the freshest and crispest of salad plants.

CULTURE.—Sow one ounce to 100 feet of drill. Sow thickly in spring, as soon as ground is in good working condition, in shallow drills. Repeat sowings at intervals of about two weeks as plants run rapidly to seed. Water Cress requires a stream of running water, in which it will grow without care, except at first keeping the weeds from interfering with it.

EXTRA TRIPLE CURLED (Pepper Grass).—Makes a most agreeable addition to lettuce salad, imparting a warm pungent taste; rapid growing, dwarf and compact. Should not be allowed to grow more than one or two inches above the ground. Used extensively in England and France. Pkt. 10c; oz. 20c; 2 ozs. 30c; ¼ lb. 50c.

TRUE WATERCRESS.—A well-known aquatic plant, its oval leaves making a delicious and appetizing salad. Pkt. 15c; oz. \$1.20.

Horse Radish Fr.—Raifort

CULTURE.—This is a hardy plant, thriving best in a moist, cool spot. It makes an appetizing relish for all meat dishes when grated in vinegar. Horse Radish produces no seed, but is propagated by root cuttings. Plant the sets or roots in rows or furrows 2 to 3 feet apart and from 15 to 18 inches apart in the rows. Place small end down with the top three inches below the surface. The soil should be rich and thoroughly cultivated before planting. Cultivate until tops or leaves cover the ground, when their shade will keep down the weeds. Small roots per dozen, 50c, postpaid.

Gumbo or Okra

Fr.—Gombaud

One ounce will sow 50 feet of drill.

Okra is cultivated for its young seed pods, which are very nutritious, and are used in soups and stews. Pods are in their best state when 1½ to 2 inches long and should be gathered then.

WHITE VELVET.—Pods round, smooth, attractive white velvet appearance, tender and of superior flavor. Plants dwarf and productive. Pkt. 10c; oz. 25c; 2 ozs. 35c; ¼ lb. 60c, postpaid.

Egg Plant Fr.—Aubergine

CULTURE.—One ounce of seed will produce about 1,000 plants. Sow the seed in a hotbed about April 1st, or if hotbed is not available, may be grown in any bright room with a temperature of about 70 degrees. When the weather has become warm and settled, gradually harden the plants by exposure to the sun and air, after which transplant to the open in rows 2½ feet apart each way. The Egg Plant requires a rich soil and as favorable a location for warmth as the garden will afford.

IMPROVED NEW YORK PURPLE.—One of the best and largest varieties in cultivation. The plant is robust, low-growing, branching freely, and bearing large, oblong-shaped purple fruit. The favorite sort for either home or market garden. Pkt. 10c; ½ oz. 85c; oz. \$1.50, postpaid.

BLACK BEAUTY.—Somewhat earlier than improved New York Purple; fruits not quite as large, a little longer in shape and slightly darker in color. Pkt. 10c; ½ oz. 85c; oz. \$1.50, postpaid.

Endive Fr.—Chicoree

Sow one ounce seed to 150 feet of drill.

One of the best vegetables for fall and winter salads, little used as yet in this country but rapidly gaining in favor as it deserves. When served as salad with Lettuce and French Dressing is most delicious.

MOSS CURLED.—The sort most generally used, growing more densely and having leaves much finer cut than the green curled sort. Pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 60c, postpaid.

CULTURE.—Sow seed ¼ inch deep in drills 12 inches apart. Thin to 12 inches apart in row. Hoe occasionally to keep the weeds down. Leaves require to be blanched before using. When plants have fully grown tie outer leaves together lightly at the tips. In from 1 to 3 weeks they will be beautifully bleached, when the crop should be used. Tie for blanching only as required, otherwise blanched hearts will decay.

Leek Fr.—Poireau

1 ounce will sow 100 feet of drill.

CULTURE.—Sow seed 1 inch deep in drills 1 foot apart as early in spring as ground can be worked. When 6 to 8 inches in height, transplant into rows 1 foot apart and 6 inches apart in the row. Set plants as deeply as possible, and hill up as they grow in order that the necks may be well blanched and tender. Leeks do best in very rich soil. They may be dug with roots on and stored during winter in moist sand in the cellar.

GIANT CARENTAN.—A quick growing sort and very hardy. When thoroughly blanched the long thick stems are of a handsome white appearance, having a mild agreeable flavor. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00, postpaid.



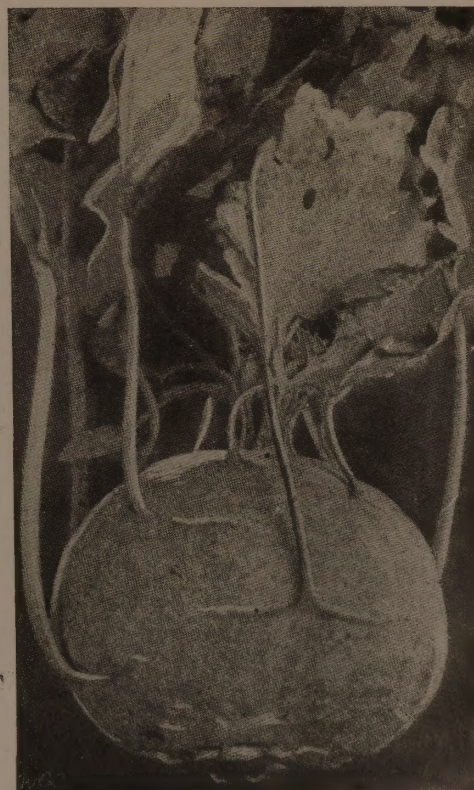
Leek—Giant Carentan.

Kohl-Rabi Fr.—Chou Rave

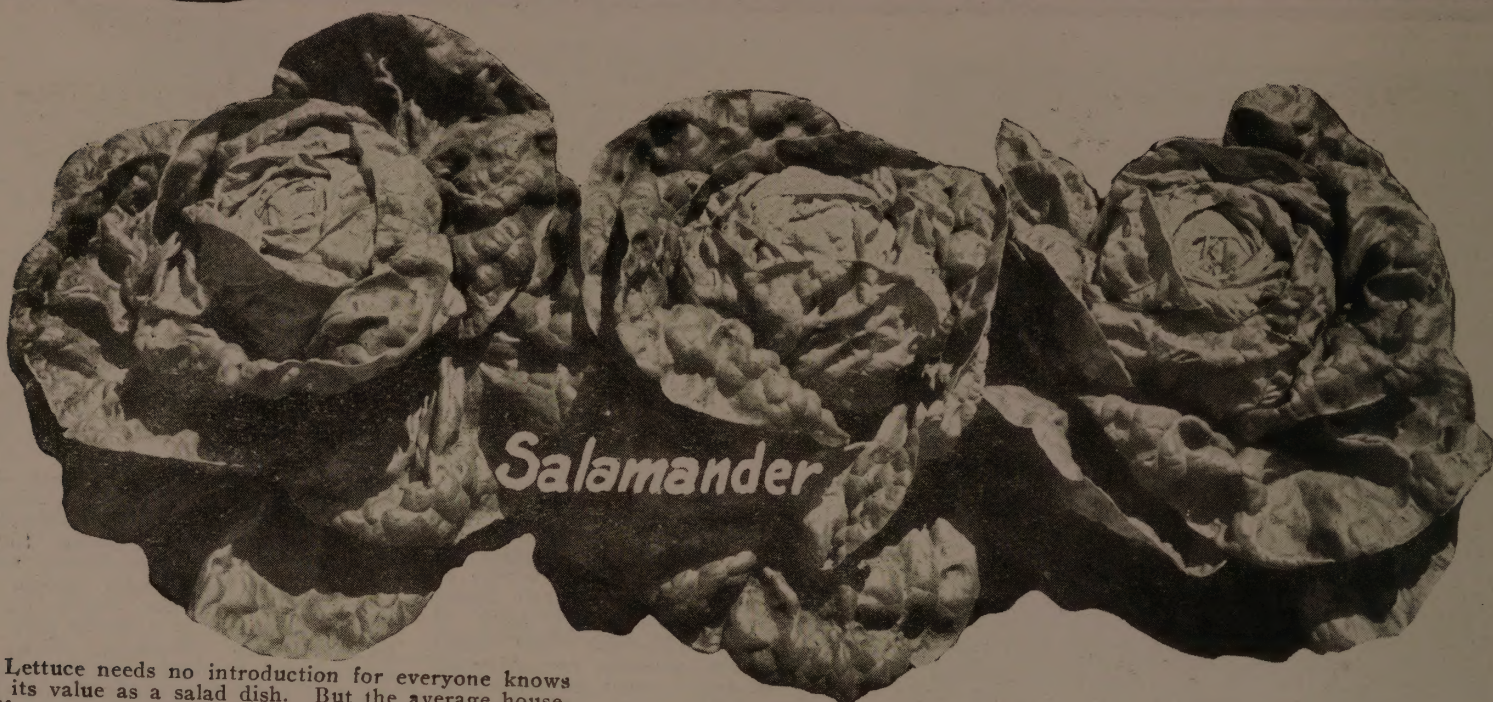
Kohl Rabi is cultivated much less in this country than it deserves. It yields in its thick fleshy stem a vegetable almost equal to Cauliflower, while it requires no more attention than a crop of Cabbage. Gather when bulbs are three inches in diameter. Cook like Turnips. 1 ounce will sow 300 feet of drill.

CULTURE.—Sow seed outdoors May to July ½ inch deep in drills 2 feet apart. Thin young plants to 6 inches apart in the rows. Seed may be started indoors during March and April and transplanted like Cabbage. When hoeing be careful not to throw earth into the heart of the plant as this would prevent bulb from forming.

EARLY WHITE VIENNA.—This is the best variety and may be used within 3 months from date of sowing. The bulbs are of a greenish-white color, very smooth and of finest texture and quality. Should be used before fully grown, or when about the size of an orange. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.



Kohl Rabi—Turnip Rooted Cabbage.



Salamander

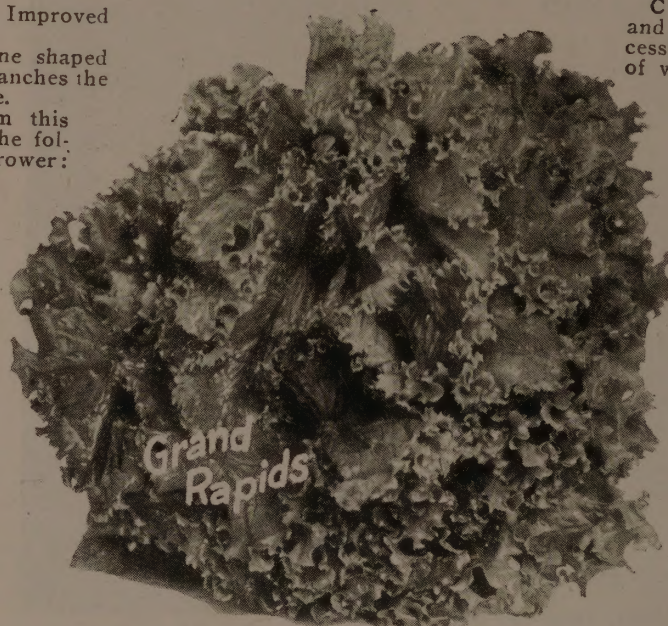
Lettuce needs no introduction for everyone knows of its value as a salad dish. But the average housewife wants a solid head of lettuce and as a result misses the other kinds which are also delicious. Generally speaking, there are three broad divisions in lettuce.

1. The loose curled leaf sorts like Grand Rapids or Black Seeded Simpson.
2. Head lettuce like Big Boston and Improved Hanson.
3. Cos lettuce, elongated in form and cone shaped with outer leaves overlapping which blanches the inner leaves like McDonald's Salad Ice.

And to get the utmost satisfaction from this vegetable all three kinds are needed, and the following suggestions are made to help the grower:

1. Grow the right variety for each season.
2. Head lettuce should be transplanted once or twice.
3. In transplanting pinch back part of the root and water the soil well.
4. Mid-summer lettuce should be grown between beans or other plants where they will be shaded, also mulched and well watered.
5. Rich black soil well watered produces best lettuce as lettuce should grow quickly.
6. Feed once a week with Wizard Brand liquid sheep manure.
7. When lettuce is half grown feed once with liquid nitrate of soda, applying carefully to the soil only (one tablespoonful to 12 qts. water).

Lettuce *Fr. Laitue*



Grand Rapids

CULTURE.—Lettuce to be crisp and tender requires rapid growth, necessitating rich soil, a generous supply of well rotted manure, and an abundance of moisture. For early use sow seed $\frac{1}{4}$ inch deep in hotbeds in March. Thin sufficiently to prevent crowding, harden gradually by exposure, and transplant to open ground, 4 inches apart in the rows. Set in rows 18 ins. apart when plants crowd, thin by using alternate plants. By this means a longer succession of cuttings may be had from the same sowing.

Where large heads are desired thin to 10 to 12 inches apart in the rows. For general crop sow outdoors as early in spring as ground can be worked. Repeat every two weeks for succession.

★ IMPROVED HANSON.—

The ideal cabbage lettuce for outdoor cultivation. The heads are of remarkably large size; outer leaves of light yellowish-green, beautifully curled and crinkled inner portion, creamy-white, deliciously tender, crisp and sweet, and free from any trace of bitterness. Heads remain long in good table condition even after maturity. Pkt. 10c; oz. 35c; 2 ozs. 60c; $\frac{1}{4}$ lb. \$1.00, postpaid.

★ GRAND RAPIDS.—

The market gardener's favorite forcing lettuce, and for this purpose more extensively grown than all others combined. It does not form a head, but rather a handsome bunch of prettily curled leaves; not liable to rot, and will keep from wilting longer while exposed for sale than any other. Pkt. 10c; oz. 35c; 2 ozs. 60c; $\frac{1}{4}$ lb. \$1.00, postpaid.

DENVER MARKET.—An early head lettuce, with beautiful Savoy-like leaves. Heads large and solid, of light green color. A splendid variety for either forcing or the open ground. Pkt. 10c; oz. 35c; 2 ozs. 60c; $\frac{1}{4}$ lb. \$1.00.

ICEBERG.—An excellent cabbage variety. The heads are so compact and solid that they seldom go to seed. The inside is thoroughly blanched, of finest flavor, crispness is retained in hottest and driest weather. Pkt. 10c; oz. 25c; 2 ozs. 60c; $\frac{1}{4}$ lb. \$1.00.

★ BLACK SEEDED SIMPSON.—

Is ever popular for forcing and open ground culture. It forms no definite head, but rather a large mass of light-green leaves, blanched clearest white to the centre. Pkt. 10c; oz. 35c; 2 ozs. 60c; $\frac{1}{4}$ lb. \$1.00, postpaid.

SALAMANDER.—Desirable for summer use; heads are large, and quite solid; leaves thick, smooth, very tender and of excellent quality. Remains long in head without running to seed. Pkt. 10c; oz. 35c; 2 ozs. 60c; $\frac{1}{4}$ lb. \$1.00, postpaid.

WAYAHEAD.—This magnificent sort, while new, has given most gratifying results. The heads are firm, of large size, and the quality everything that can be desired in a butterhead lettuce. The outer leaves are a light green in color, and the inner portion prettily blanched to a rich buttery yellow. No other of the early heading sorts will stand so long in edible conditions without running to seed. Pkt. 10c; oz. 35c; 2 ozs. 60c; $\frac{1}{4}$ lb. \$1.00, postpaid.

Black Seeded Simpson.

Lettuce (Continued)

McDONALD'S "SALAD ICE"

Nothing Quite So Good in Cos Lettuce

An entirely distinct and most valuable sort we recommend as the finest and most highly selected White Lettuce in cultivation. It is of largest size, self-folding, beautiful form, very crisp, and free from any trace of bitterness. The plant remains a long time in table condition without running to seed even in the hot months of summer. If you like Cos Lettuce, you will undoubtedly find "Salad Ice" entirely satisfactory. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00, postpaid.

MAY KING.—A handsome, quick-growing sort, valuable for forcing and open ground culture. Heads are of medium size, six to seven inches in diameter; outer leaves of yellowish green, tinged with brown, inner portion a rich golden-yellow. Pkt. 10c; oz. 30c; 2 oz. 50c; ¼ lb. 90c, postpaid.

★ **BIG BOSTON.**—This variety is identical in color, shape and general appearance with the famous Boston Market lettuce, but is double the size and valuable alike for forcing or the open ground. The Big Boston is everywhere popular with market gardeners on account of producing large, solid, saleable heads at all seasons of the year. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00, postpaid.

CRISP-AS-ICE.—A very desirable lettuce of the cabbage type. The heads are solid, of unusually large size when well grown, and so exceedingly crisp, tender, and brittle, as to fully warrant the name which has been given to it. The leaves are crimped and curled, and beautifully variegated with dark bronze and green. When cut open, the centre portion is a rich creamy yellow. Particularly recommended for the family garden. Price, Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00, postpaid.

NEW YORK OR WONDERFUL.—This is the mammoth head lettuce so popular on the New York market. The immense heads, are solid, heavy, and with bright green outer leaves. Price, Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1, postpaid.



Salad Ice

"Big Boston"



Mushrooms

Fr. Champignons

Finest Quality English Milltrack.

1 brick will spawn a bed covering 10 square feet.

Mushrooms may be grown in any cellar or shed where the temperature can be maintained at from 50 to 60 degrees and provided moisture conditions are favorable.

CULTURE.—The first step in growing Mushrooms is to procure a sufficient quantity of fresh horse manure, free from long straw, also quantity of old pasture soil. Mix thoroughly three parts manure to one part soil, turning mixture every two or three days until extreme heat has disappeared. Water mixture very sparingly if not moist enough.

A good depth for a Mushroom Bed is 12 inches at the rear, sloping to 9 inches at the front. Commence bed by putting a thin layer of compost, pounding it with the back of a spade to pack solid. Repeat layers until bed is of required thickness. When temperature has fallen to between 80 and 90 degrees, break spawn into pieces about 1½ inches square, placing the pieces in holes 2 to 3 inches deep and about 10 inches apart each way in bed, covering with the compost. Allow the bed to remain in this condition 10 to 12 days by which time spawn will have spread throughout the bed. Next place a layer of fresh straw to a depth of three or four inches over bed allowing same to remain a few days when it should be removed. Replace this covering by a layer of mould, spreading it to a depth of two or three inches, firming thoroughly with spade. If surface of bed becomes dry, and this is the most frequent cause of failure, apply a gentle watering of luke warm water containing a pinch of nitrate of soda. Keep an even temperature of from 50 to 60 degrees. Crop will appear in from 4 to 8 weeks, according to conditions. When gathering the crop pull stocks out completely, otherwise they will rot and destroy the young brood. A good bed yields for about two months. Prices, per brick, 40c; 5 bricks, \$1.75.

Musk Melon Fr.—Melon Musque

One ounce of seed for 50 hills. 2 to 3 pounds per acre.

As melons are easily injured by the cold—they should not be planted in the open until all danger of frost is over. Very early melons may be grown by starting in a hot bed, in berry boxes or pots or on inverted sods and transplanted when soil warms up.

CULTURE.—Select a light rich loamy soil. When ground has become warm and dry, plant seed $\frac{1}{2}$ inch deep in hills 6 feet apart each way, putting 10 or 12 seeds to the hill. Mix a shovelful of well rotted manure in each hill to promote strong growth. Thin to 3 or 4 plants to hill when rough leaves have formed. Pinch ends of growing shoots to induce early fruiting. Cultivate until vines cover the ground. Dust plants with Slug Shot or Bug Death to prevent insect attacks.

ROCKY FORD.—This little melon has become world famous for its sweet, luscious, melting flesh of captivating flavor. Vines are exceedingly healthy and vigorous, bearing an abundant supply of fruit during the entire season. Fruits are oval in form, finely netted and slightly ribbed. Flesh is thick, firm, yet so sweet and melting as to be eaten close to the rind. The seed cavity is small. Average weight about one and a half pounds. Pkt. 10c; oz. 30c; 2 ozs. 50c; $\frac{1}{4}$ lb. 90c, postpaid.

EXTRA EARLY HACKENSACK.—A selection of the famous Hackensack but fully ten days earlier, and producing large, handsome melons of best quality. The fruits are nearly round, deeply ribbed, and coarsely netted. The flesh is green, slightly tinged with yellow, and of most delicious flavor. Pkt. 10c; oz. 30c; 2 ozs. 50c; $\frac{1}{4}$ lb. 90c, postpaid.

MONTREAL GREEN NUTMEG.—A handsome, large-fruited variety of superior quality. Melons are of rounded form, slightly flattened at the ends, with large, broad, heavy ribs; flesh thick, light green, melting, and of highest quality in both sweetness and flavor. Pkt. 10c; oz. 40c; 2 ozs. 70c; $\frac{1}{4}$ lb. \$1.25, postpaid.

★ **OSAGE or MILLER'S CREAM.**—One of the most popular melons in cultivation, and desirable for market or home garden. Fruits are of medium size, oval in form, dark green in color, slightly ribbed and handsomely netted. Flesh is rich salmon color, unusually thick, and of finest texture and quality. Pkt. 10c; oz. 30c; 2 ozs. 50c; $\frac{1}{4}$ lb. 90c, postpaid.

OTHER VARIETIES.—Bay View, Emerald Gem, Improved Yellow Canteloupe, Long Island Beauty, Tip Top, Robinson's Gold-lined. Pkt. 10c; oz. 30c; 2 ozs. 50c; $\frac{1}{4}$ lb. 90c, postpaid.



Musk Melon
Osage, or
Miller's Cream

Water Melon Fr.—Melon d'Eau

CULTURE.—Choose a location well exposed to sunlight. Soil should be warm and rich. Dig ground deeply, using a shovelful of well rotted manure in each hill to promote strong growth. Hills should be 8 feet apart each way. Sow seed 1 inch deep with 10 to 12 seed to each hill. Thin to 2 or 3 plants to each hill, leaving the strongest. Hoe frequently. When 3 feet the ends of the shoots should be pinched. To combat insects Pyrox will be found very effective as a spray or Bug Death or Slug Shot as powder.

★ **COLE'S EARLY.**—Best type for our climate. It is not only the earliest variety but also one of the most productive. Fruit is nearly round, rind thin and brittle, flesh bright red, delicate texture, sweet, juicy and delicious. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c, postpaid.

KLECKLEY SWEETS.—Large size, oblong, but somewhat tapering at ends. Skin dark green; flesh bright scarlet, sweet and possessing a peculiar honey-like flavor. Desirable for the home garden. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c, postpaid.

PHINNEY'S EARLY.—One of the earliest; vines vigorous and productive; melons medium size, oblong, smooth and marbled, with two shades of green. On account of hardy nature is adapted for sowing in northerly sections. Quality fine. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c, postpaid.

OTHER VARIETIES.—Cuban Queen, Mountain Sweet, Seminole, Peerless. All, Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c.



Cole's Early

Citron

Fr.—Citron a Confitures

Fine for Preserving

COLORADO or GREEN SEEDED.—This variety grows uniformly round and smooth. It has a handsomely striped and marbled light green skin. Makes beautiful, nearly transparent preserves, for which purpose it is extensively used. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c, postpaid.

RED SEEDED CITRON.—Differing from preceeding sort in color of seeds only, which are red. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c, postpaid.



Colorado Citron

Mustard

Fr.—Moutarde

I ounce will sow 50 feet of drill.

Mustard freshly picked serves the same purpose as spinach for greens—or can be used with cress or lettuce for garnishing. It is easy of culture—thriving readily in rich moist soils.

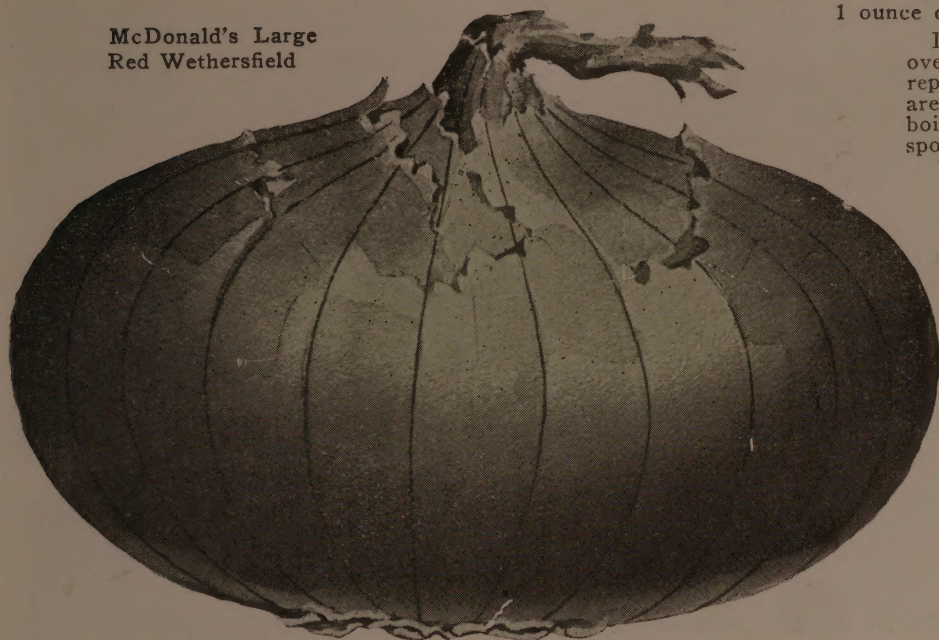
CULTURE.—Sow seed thickly $\frac{1}{4}$ inch deep in drills 8 to 12 inches apart. As the crop is best when in its young tender state it should be cut when two inches high. Successive sowing should be made frequently. For early crops sow in hotbeds in March or April. Crop is usually ready in from 4 to 5 weeks.

CHINESE.—A valuable variety of mustard highly prized for salads or boiling and serving like spinach. Leaves are twice the size of ordinary mustard. Ready for use about six weeks from time of sowing. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c, postpaid.

ENGLISH WHITE.—For salads and general use. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c, postpaid.

Onions Fr.—Oignon

McDonald's Large
Red Wethersfield



★ **McDONALD'S LARGE RED WETHERSFIELD.**—Red Wethersfield is the most largely grown of all red onions. It is also the largest yielder and the best keeper for winter use. The large bulbs are of flattened shape but quite thick through, single specimens sometimes weighing as much as one pound. The outer-skin is of a deep-purplish-red, smooth and glossy; flesh, a melting white tinted with rose. Ideal for market use on account of its handsome shape, color and size. While perhaps not generally understood, there are many types and selections of Red Wethersfield, differing in size, shape of bulbs and time of ripening. McDonald's selection of Large Red Wethersfield has won an enviable reputation in the estimation of market gardeners and other planters, for the reason that after repeated trials, all that we have ever claimed for it has been more than fulfilled. This ideal onion is one you can plant largely for main crop, with the assurance that it will carry with less shrinkage than any other of the main crop or long-keeping varieties. While the seed is usually sown to the open ground, if largest sized onions are desired, we would recommend sowing in hot beds and later transplanting to the open ground. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00; lb. \$3.00.

1 ounce of seed will sow 100 feet of drill. 5 pounds per acre.

It is said that more famous chefs and cooks the world over owe more to the judicious use of the onion for their reputation and success than to any other one thing. Onions are healthful and nourishing and whether served raw, boiled, fried, baked or pickled, they always strike a responsive chord in the taste of everybody.

In raising onions the importance of securing reliable seed cannot be over-estimated. Poor strains are frequently found in Onions, consequently the cost of the seed should prove of little consideration when obtaining supplies. Much seed offered is full of "rogues"—off colored or off in shape. Old seed produces "thicknecks" that is—Onions which refuse to form a bulb and grow large in the neck. We have always taken especial care in the selection of our Onion Seed, and feel confident that nowhere can better seed be purchased.

CULTURE.—Deep rich loamy soil is best suited for Onions. Use well rotted manure liberally. Seed may be sown ½ inch deep in drills 12 to 15 inches apart, as soon as ground can be worked. Rich soil produces weeds, consequently to grow onions successfully a good deal of hand weeding, hoeing and cultivating will have to be done. Thin plants to 4 inches.

PRIZETAKER RED GLOBE

If You Grow Onions You Should Include This



Prizetaker Red Globe

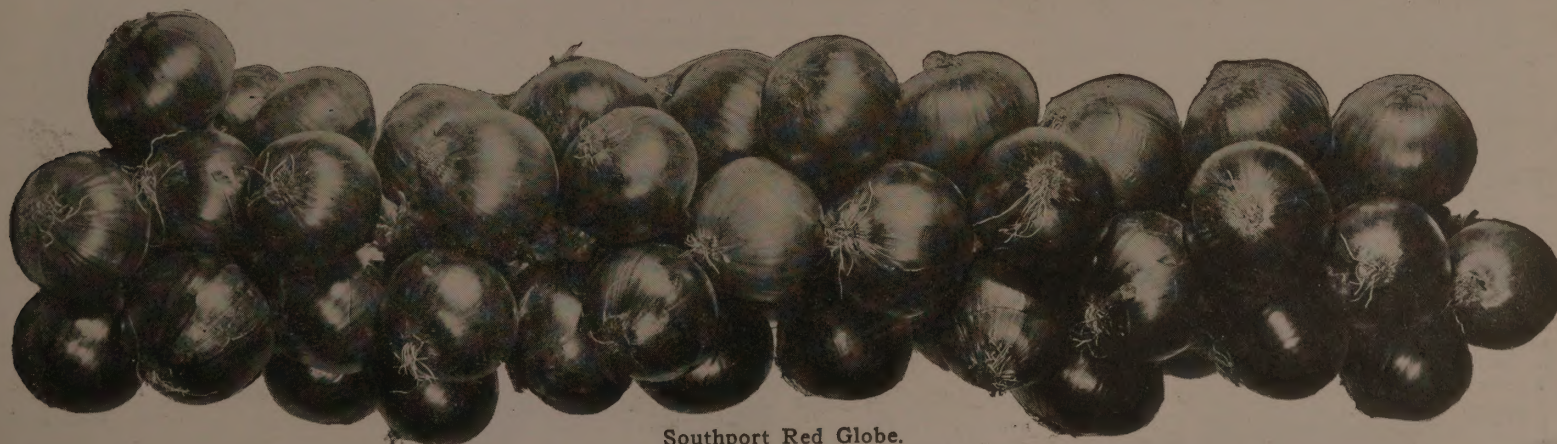
★ Prizetaker Red Globe surpasses all others in productiveness, perfection of shape, uniformity of size, richness of color and long keeping qualities. In fact, after several years' experience with it, we believe we are offering the most perfect globe onion in existence. So great has been the demand for "Prizetaker Red Globe," that we would urge the importance of early orders, the demand for this seed in past seasons having been greater than we have been able to supply. If you want to make sure of "Prizetaker Red Globe," do not delay your order. Pkt. 10c; oz. 40c; 2 ozs. 70c; ¼ lb. \$1.25; lb. \$4.00, postpaid.

EXTRA EARLY FLAT RED.—A medium-sized onion, fully ten days earlier than Red Wethersfield, which it somewhat resembles, although of smaller size and flatter shape. It adapts itself to cool or damp, mucky soils where other varieties fail to produce full-sized onions. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00; lb. \$3.00, postpaid.

AILSA CRAIG.—A desirable sort combining all qualities of a high class onion. Skin is pale yellow and in comparison with the Yellow Globe Danvers, is said to outweigh it one to three. Bulb is extremely hard and solid to the core; flesh snow white and of excellent flavor. Start the seed in window boxes or hot-beds and transplant later when conditions are favorable to the open ground. This means extra trouble, but the resulting crop will more than pay for the effort. Pkt. 10c; oz. 65c; 2 ozs. \$1.10; ¼ lb. \$2.00, postpaid.

GIANT PRIZETAKER.—An excellent globe-shaped onion of uniformly large size and great productiveness. Outside skin is a bright straw color; flesh white and of a mild sweet flavor. Equal in quality to the imported Spanish Onions. Can be grown anywhere where other onions can be produced. Pkt. 10c; oz. 40c; 2 ozs. 60c; ¼ lb. \$1.10; lb. \$3.25, postpaid.

SOUTHPORT RED GLOBE.—Onions when ripe are perfectly globe-shaped, of medium size, and a rich purplish-crimson in color which makes them very attractive. Flesh is white, tinged with purplish-pink. One of the best keepers and valuable for market use. Pkt. 10c; oz. 40c; 2 ozs. 60c; ¼ lb. \$1.10; lb. \$3.25, postpaid.



Southport Red Globe.



McDonald Select Yellow Globe Danvers.

Onion Sets

Fr.—Oignonets

(Petits Oignons a Replanter)

FOR A QUICK EARLY CROP.

1 quart will plant 50 feet of row.

By planting Sets, Onions may be obtained much earlier than from sowing seed. Good sized onions may be gathered in from 6 to 8 weeks from time of planting, and some may be had for bunching in even less time.

CULTURE.—Onion Sets may be planted as early as the ground is in condition to work, in rows 12 inches apart. Place sets 4 inches apart in the row. Keep clear of weeds by frequent hoeing.



Onion Sets

ONION SETS are not postpaid. If wanted by mail, add 10c per pound to following prices.

WHITE ONION SETS.—Grown from White Portugal or Silverskin seed. Fine for early bunch onions, or if allowed to mature, will produce large onions of choice quality. Price, lb. 30c; 5 lbs. \$1.40.

YELLOW ONION SETS.—Grown from Yellow Danvers and Strasburg seed, and will produce onions of excellent quality and good size. Price, lb. 30c; 5 lbs. \$1.40.

RED ONION SETS.—Small, purple-red onions of even size which will mature to large, fine onions of choice quality. Price, lb. 30c; 5 lbs. \$1.40.

TOP or BUTTON ONIONS.—These are produced on the top of the stalk, instead of from seed. They are about the size of acorns, which, when planted, produce large onions, maturing about the same as the preceding sorts. Stronger in flavor than the Dutch or Bottom Sets. Price, lb. 50c; 5 lbs. \$2.25.

When larger quantities of Onion Sets are wanted—write for special quotations.

★ **YELLOW GLOBE DANVERS.**—Has been a leader for years, and remains a strong favorite with many growers. Bulb is extremely hard and solid, while its earliness, handsome appearance and sure cropping qualities make it equally desirable for home or market garden use. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00; lb. \$3.00, postpaid.

FLAT YELLOW DANVERS.—Quality and color same as the preceding. Grows to a good size; ripens early. Preferred to globe shaped for low lands. Pkt. 10c; oz. 30c; 2 ozs. 50c; ¼ lb. 90c; lb. \$2.75, postpaid.

MAMMOTH SILVER KING.—Large, flat onions of enormous size; skin a beautiful silver white; flesh, unusually sweet and mild in flavor. More extensively used as an early bunching sort by market gardeners than any other. Not recommended for main crop or winter use. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75; lb. \$5.00, postpaid.

Garlic Fr.—Ail

Garlic is a perennial plant with a bulbous root belonging to the onion family. It has flat leaves and the bulb is composed of several parts or bulbets. It has a strong penetrating odor and is much esteemed for flavoring soups and stews.

CULTURE.—To plant a crop of Garlic, all that is necessary is to pull the bulbs to pieces, and plant the separate divisions like onion sets, allowing the sets to stand from 3" to 6" apart in rows one foot apart. Planting should be done in early Spring, cultivating same as onions. The crop is cured by hanging up in long strings, held together by braiding the tops. 1 lb. sets will plant 100 feet of drill. Price per lb. 60c postpaid.

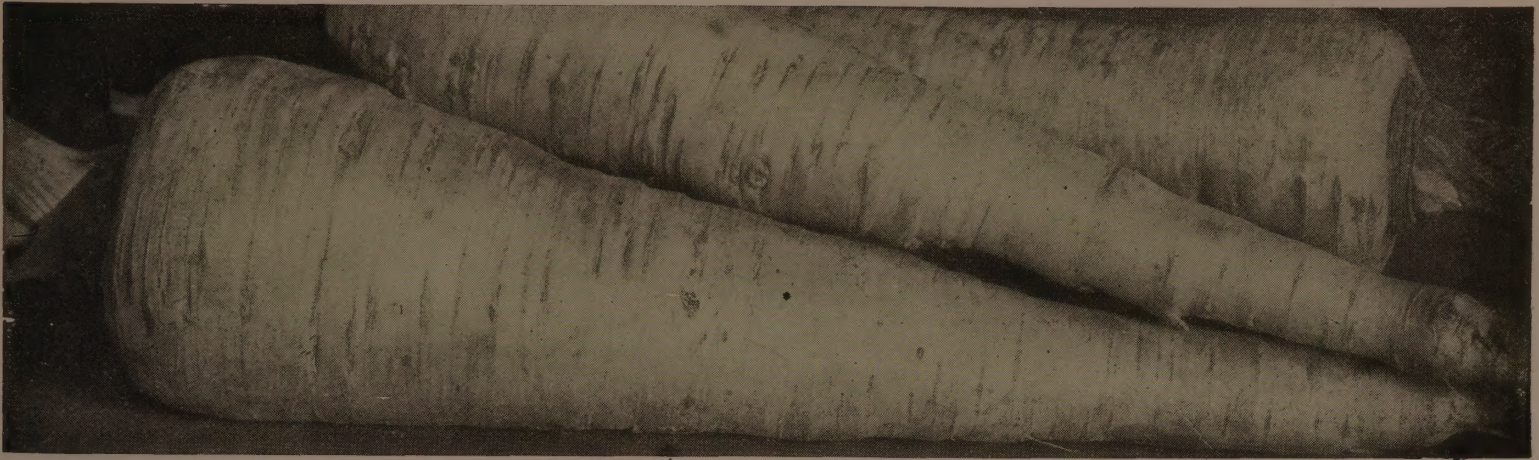
SOUTHPORT WHITE GLOBE.—On account of its handsome appearance and general good quality always brings top prices on city markets. The bulbs are of a beautiful silvery-white in color, and remarkably uniform as to size and type. The onions measure from 2 to 2½ inches in diameter. The flesh is crisp, fine grained, snowy white in color and delightfully mild in flavor. Market Gardeners find it an excellent sort for bunching. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75; lb. \$5.00, postpaid.

WHITE PORTUGAL or SILVERSKIN.—A flat, silvery-white onion of medium size and mild, sweet flavor. Very desirable for boiling and slicing and one of the best for the home garden. Extensively used for pickles and onion sets. When grown for pickles, the seed should be sown at the rate of twenty-five pounds per acre. Pkt. 10c; oz. 45c; 2 ozs. 75c; ¼ lb. \$1.35; lb. \$4.25, postpaid.

★ **EARLY WHITE BARLETTA.**—Bulbs are pure paper white. When crop is matured, the tops dry down close to the bulb leaving the most perfect miniature onions imaginable, ranging from 1 to 1½ inches in diameter. It is the best of all onions for small pickles, and the earliest ripening sort in cultivation. If sown thickly in rows will produce small round onions the size of marbles. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75; lb. \$5.00.

If required in larger quantities than 1 lb., please write for special price.

Extra Early
Flat Red



Improved Hollow Crown Parsnip

Parsley Fr.—Persil

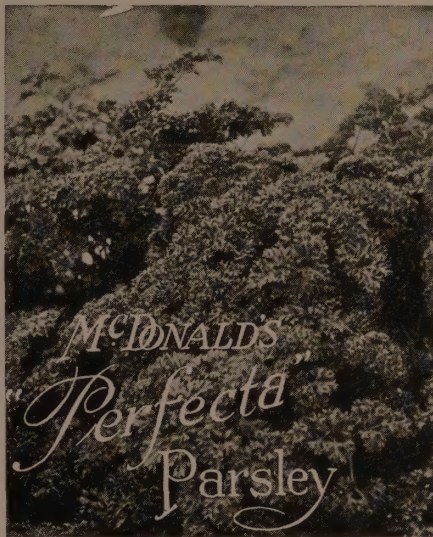
1 ounce will sow 150 feet of drill.

Parsley is an extremely hardy plant—used for seasoning or garnishing, and very easy to grow. A sprig of its beautifully cut and curled leaves will brighten up a dinner marvellously.

CULTURE—Parsley Seed germinates slowly. Three or four weeks usually elapse before the young plants appear. Seed should be soaked in tepid water for a few hours to hasten germination. Sow seed $\frac{1}{2}$ inch deep in rows 12 inches apart. Thin young plants to three to four inches apart in the rows

CHAMPION MOSS CURLED.—The leaves are beautifully crimped and curled and of attractive moss-like appearance. Magnificent as a garnish both on account of its deep green coloring and its rich mossy texture. Pkt. 10c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c; lb. \$2.00, postpaid.

★ **McDONALD'S PERFECTA**.—The highly ornamental and beautiful appearance of McDonald's "Perfecta" makes it a most desirable type for garnishing. Leaves are a rich, dark green in color, finely cut, handsomely curled, and are deliciously aromatic and highly prized for culinary uses. Makes also a magnificent border for the flower garden. Pkt. 10c; oz. 35c; 2 ozs. 60c; $\frac{1}{4}$ lb. \$1.00, postpaid.



Parsnip Fr.—Panaïs

1 ounce will sow 150 feet of drill. 5 to 6 pounds per acre.

There is no doubt that most of us eat too much solid food and that our digestions would improve by using more of the easily digested, watery, fibrous vegetables.

Parsnips are easily the leaders of the palatable nourishing roots and appeal to any appetite when properly cooked.

CULTURE.—Parsnips do best in a rich deep sandy soil, but will make good roots in any soil that is deep, mellow and moderately rich. In manuring the land for this crop it is important to use only manure that is well rotted, as the application of fresh manure is apt to make the roots rough and branching. As Parsnip Seed is slow to germinate, it should be sown as early as possible, in drills 15 to 18 inches apart, covering to a depth of $\frac{1}{2}$ inch. Give frequent cultivation, thinning the plants to stand from 5 to 6 inches apart.

McDONALD'S IMPROVED HOLLOW CROWN.—This sort has been in large demand for years past and is a favorite. It is very productive; roots are well shaped, long and smooth; flesh white, tender and well flavored. Pkt. 10c; oz. 30c; 2 ozs. 50c; $\frac{1}{4}$ lb. 90c; lb. \$2.75, postpaid.

Pepper Fr.—Piment

One ounce seed will produce about 1,000 plants.

In our childhood days we remember of learning that "Peter Piper picked a peck of pickling peppers" and it will be a statement of fact with you if you use care and plant McDonald's tested seeds.

Remember that peppers are tender plants that cannot stand frost or cold. They require plenty of moisture and warmth, but started in a hot bed or in a warm room and transplanted when the ground is warm they will develop to your satisfaction.

CULTURE.—Seed should be sown $\frac{1}{2}$ inch deep in hotbeds, or in pots or boxes in the house, where a temperature of about 75 degrees can be maintained. When plants are about 4 inches high transplant to open ground where the soil is light rich and warm. Plants should be set about 30 inches apart each way. Cultivate frequently throughout the season to keep the soil mellow and free from weeds.

CHINESE GIANT.—Larger than "Ruby King," not so long, but far thicker and more solid; 4 to 5 inches across the crown and of same length. In color, dark green changing to a brilliant scarlet when ripe. The plants grow to about two feet and are remarkably stocky and strong as they need to be in order to support the heavy weight of thickly set fruits. The flesh is thick and the flavor pleasantly mild. Pkt. 10c; $\frac{1}{2}$ oz. 70c; oz. \$1.25, postpaid.

ROYAL KING.—Evolved from "Ruby King," but claimed to be its superior in every respect. The fruits are exceptionally thick meated, practically twice as thick as the old Ruby King. It is unusually mild, perfectly sweet and free from pungency. Pkt. 10c; $\frac{1}{2}$ oz. 60c; oz. \$1.00 postpaid.

CHILI.—Produces an abundance of small, bright red peppers about 2 inches long and 1 inch in diameter, tapering to a sharp point. Pkt. 10c; $\frac{1}{2}$ oz. 60c; oz. \$1.00, postpaid.

NEAPOLITAN.—The earliest large red pepper. Flesh is thick-meated, bright red and unusually mild in flavor. Fruits measure from 4 to 5 inches in length and from $1\frac{1}{2}$ to 2 inches in diameter. The plants are of vigorous growth and remarkably productive, single specimens frequently carrying from 35 to 50 fruits at the one time. Pkt. 10c; $\frac{1}{2}$ oz. 60c; oz. \$1.00, postpaid.

RUBY KING.—An old standard, and today more extensively cultivated than any other sort. Plants attain a height of 2 feet, and are vigorous, compact and highly productive. Fruits are a ruby-red color; flesh thick, sweet and mild. Pkt. 10c; $\frac{1}{2}$ oz. 60c; oz. \$1.00, postpaid.

LARGE BELL or BULL NOSE.—Fruit large, round and blocky, and about three inches long and two inches thick. Color a deep green when the fruit is young, but when fully ripened a rich, glossy blood-red. Pkt. 10c; $\frac{1}{2}$ oz. 60c; oz. \$1.00, postpaid.

LONG RED CAYENNE.—Extensively used for pickling; pods are about 4 inches in length, cone-shaped and scarlet-red when ripe. Pkt. 10c; $\frac{1}{2}$ oz. 60c; oz. \$1.00, postpaid.



Neapolitan

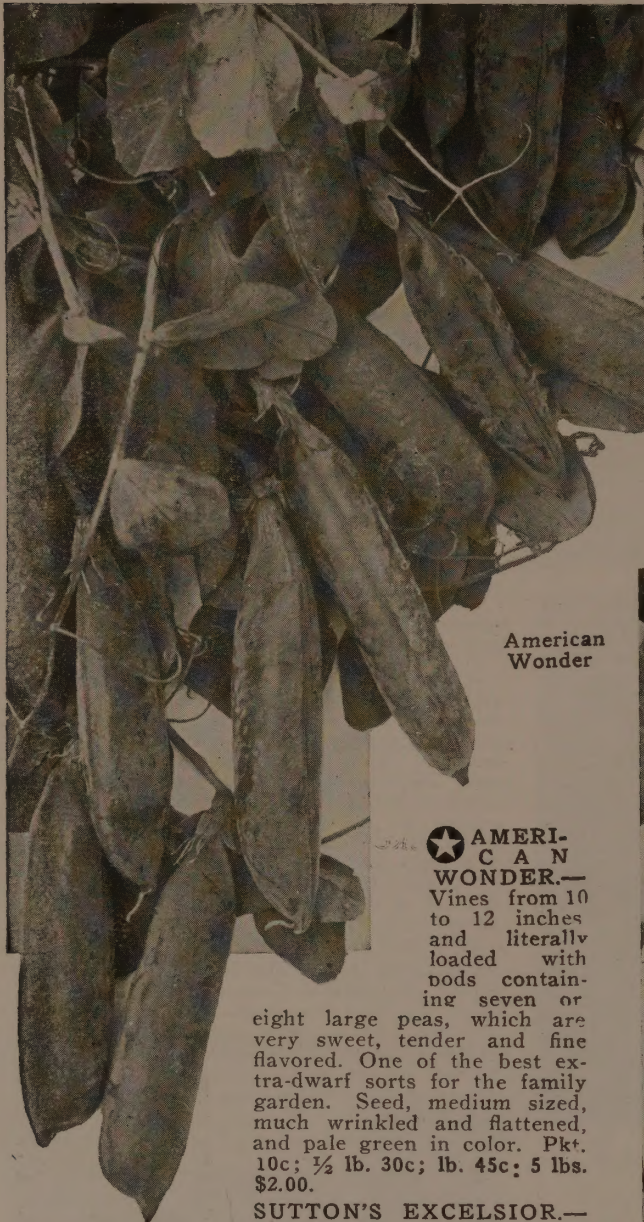
Peas Fr.—Pois

(If wanted by mail add 10c per ½ lb., 15c per lb., or 35c per 5 lbs.)
Two pounds for 100 feet of drill; 2 to 3 bushels in drills for an acre.

Peas have been classed as the aristocrats of the vegetable world. Their food value is high and nothing can compare with the delicious flavor of the garden pea fresh from your garden. No garden is complete without them and a succession of sowings and careful selection of varieties will give you fresh, delicious peas all season through. Peas come in two types—smooth and wrinkled. Wrinkled peas are undoubtedly the sweetest.

CULTURE.—While a light rich soil will mature the earliest yield, a good deep loam or clay soil which has been well enriched with manure the year previous will prove best suited for this crop. The earliest peas are mostly round and smooth seeded, and being very hardy should be sown as early as possible in the spring. The sweet or wrinkled varieties are most susceptible to cold, wet weather, and should not be planted until conditions of soil are favorable, otherwise, they are apt to rot in the ground. In city gardens where space is limited, peas may be grown in single rows 15 inches apart, or in double rows, from 6 to 8 inches apart and from 2 to 3 inches deep. The taller sorts, that is above 3 feet, will do better if staked, bushed, or grown on a wire trellis. For commercial crop the drills should be 2 feet apart in the case of dwarf sorts, and the taller sorts from 3 to 4 feet apart, according to variety and richness of the soil. Continue sowing for a succession every two weeks up to the end of June, then discontinuing until August first when a good crop frequently can be secured by sowing the extra early sorts.

★ **NOTT'S EXCELSIOR.**—Pods average 3 inches in length, one-third larger than American Wonder; well filled to the square ends with peas of large size and unusually sweet flavor. Height 1½ feet. Very fine for market and unsurpassed for home use. Pkt. 10c; ½ lb. 30c; lb. 45c; 5 lbs. \$2.00.



American Wonder

★ **AMERICAN WONDER.**—Vines from 10 to 12 inches and literally loaded with pods containing seven or

eight large peas, which are very sweet, tender and fine flavored. One of the best extra-dwarf sorts for the family garden. Seed, medium sized, much wrinkled and flattened, and pale green in color. Pkt. 10c; ½ lb. 30c; lb. 45c; 5 lbs. \$2.00.

SUTTON'S EXCELSIOR.—A deservedly popular sort of the dwarf wrinkled class. It is

unusually hardy for a wrinkled pea, vigorous in growth and highly productive. In comparison with Nott's Excelsior, the pods and peas are of larger size, vines about the same height, but foliage of a lighter green. A desirable sort in all respects and especially valuable for the market gardener. Pkt. 10c; ½ lb. 30c; lb. 45c; 5 lbs. \$2.00.

LITTLE MARVEL.—A new dwarf pea of the Excelsior type. While the pods are not of largest size, measuring two and one-half inches, they are produced frequently in pairs and in enormous quantities. Each pod contains from six to seven large, deep-green peas of finest flavor and quality. Fully as early as the Excelsiors, while pods are of larger size and borne in greater profusion. Pkt. 10c; ½ lb. 30c; lb. 45c; 5 lbs. \$2.00.

LAXTONIAN.—This pea is really a dwarf Gradus, having all its quality and flavor, but growing only 16 inches high. It is a few days later than American Wonder, but the dark green pods are twice as large and usually contain eight or nine peas of delicious flavor. Pkt. 10c; ½ lb. 30c; lb. 50c; 5 lbs. \$2.25.

THOMAS LAXTON.—Quite a rival of Gradus for first place in that class. Follows a few days later than the extra early smooth varieties. A luxuriant grower, producing big pods in abundance, each containing eight or more large, handsome peas of delicious quality and flavor. Height, 3 feet. Pkt. 10c; ½ lb. 30c; lb. 50c; 5 lbs. \$2.25.

DWARF TELEPHONE.—A most desirable pea, attaining a height of from 15 to 20 inches, and possessing the same fine quality for which the tall-growing Telephone has become world famous. The pods contain from eight to ten peas of most excellent quality. Pkt. 10c; ½ lb. 30c; 1 lb. 50c; 5 lbs. \$2.25.



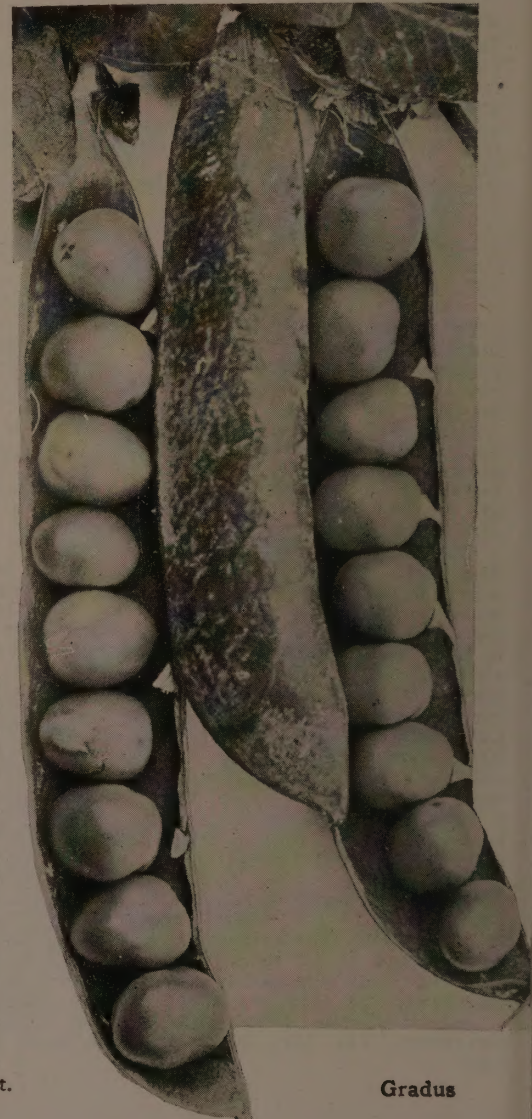
Nott's Excelsior.

★ **GRADUS (Prosperity).**—No garden pea has met with a more popular demand than this. It is an ideal pea, combining the desirable points of extreme earliness, remarkable productivity, large size and superior quality. Vines are of vigorous growth and fairly loaded with large dark-green, pointed pods, containing an average of eight or nine light-green colored peas of luscious quality. No mistake can be made in planting Gradus. Height, 3 feet. Pkt. 10c; ½ lb. 30c; lb. 50c; 5 lbs. \$2.25.

STRATAGEM.—The most popular of all late or main crop sorts. Vines, 2 feet, strong growth and large foliage; peas, dark green and unexcelled for sweetness and richness of flavor. Pkt. 10c; ½ lb. 30c; lb. 50c; 5 lbs. \$2.25.

CHAMPION OF ENGLAND.—Universally admitted to be one of the richest and best flavored peas grown; it is also one of the best yielding sorts. Vines grow to a height of 5 feet. Pkt. 10c; ½ lb. 30c; lb. 45c; 5 lbs. \$2.00.

QUITE CONTENT.—Pods are of great size, and longer than any other pea in cultivation. Vines are of strong growth, and exceedingly prolific, the pods hanging mostly in pairs; height 5 to 6 feet. Recommended as one of the finest of all late crop varieties. Pkt. 10c; ½ lb. 35c; lb. 60c; 5 lbs. \$2.75.



Gradus

Pioneer
Pride

Green
Mountain



Potatoes *Fr.—Pomme de Terre*

One peck will plant about 100 feet of row; 8 to 10 bushels for an acre.

PIONEER PRIDE.

★ This potato the grower can tie to with every confidence of not only having an exceptional yield, but also a potato which cannot be surpassed for general quality, which fact places it ever in ready demand. There is no other variety we know of which makes a more handsome appearance. In shape it is roundish oblong with fairly square ends and more or less flattened. The skin is almost white with a tinge of russet-rose; the eyes are few and very shallow. The flesh is white, solid and fine grained and cooks white, dry and mealy. Owing to its vigorous constitution and sturdiness of growth it seems to possess unusual ability to overcome disease and other features which frequently enter into and make the potato crop a source of disappointment to the grower.

All seed potatoes we offer, are strictly New Brunswick grown.

ABOUT PRICES.

While indications point to an abundant supply for the present year, future values are too uncertain at date of issue, to permit of our giving prices. Please write for our Special Red Figure Price List,—issued at frequent intervals.

CULTURE.—Well enriched sandy loam is best suited for potatoes, although good results may be had from most garden soils if well drained. Plant seed in rows about three feet apart. Seed should be set about 4 inches deep and 1 foot apart, in the rows. Potatoes are usually cut into pieces with 2 to 3 strong eyes to each piece. Cultivation should be maintained throughout the growing season to clear ground of weeds and at same time to conserve moisture.

★ **GREEN MOUNTAIN.**—Popular late crop variety and undoubtedly one of the most profitable to plant for main crop. Skin is white; form flat and oval very smooth, with few shallow eyes. Its adaptability to all soils, combined with vigorous growth, great productiveness and unequalled quality should commend it to all growers.

★ **DOOLEY.**—A potato of the rural New Yorker group, but with new blood and renewed vigor, producing good yields even in hot dry seasons when other varieties give poor returns. The vines are strong and vigorous, and practically immune to blight, remaining green and healthy after many others have died down. In shape it is of flattish oval, eyes few and shallow; skin, remarkably smooth and creamy-russet in color.

★ **IRISH COBBLER.**—A chunky white potato of splendid quality. Skin slightly netted; eyes strong and well developed; flesh pure white and of finest quality; always cooking dry and mealy. It matures good sized potatoes seven weeks from planting, and produces very few, if any, small tubers. Its strong growth, earliness, uniformity, large yield, quality and appearance, make this potato a staunch favorite.

EARLY ROSE.—Probably the most popular early potato ever raised in this country. Many growers still claim that it has never been excelled. There is to-day very little of the pure, true Early Rose to be obtained in Canada. For this reason we are glad to be in a position to offer some of the genuine stock possessing the old-time vigor and quality. The potatoes are long and light red in color with shallow eyes. They yield well for an early sort, and the quality is in all respects equal to the very best.

EXTRA EARLY OHIO.—Largely used by market gardeners and growers everywhere on account of its extreme earliness, and because of its mealy nature and fitness for use before fully ripe. Tubers are short, thick, round oblong and full red in color; flesh solid and fine flavored. Our stock of this variety is the earliest, purest and handsomest. With heavy manuring and good culture, a large and prolific crop can be expected.



HYBRIDIZED SEED POTATOES.

Growing new and distinct potatoes from the seed-ball seed is intensely interesting. The product will astonish you and be the greatest curiosity of your garden. This seed will produce innumerable potatoes of every conceivable color, shape and size. It is from seed of this description that many valuable new varieties have been introduced. Every farmer, gardener and bright boy should plant a few packages. There's wonderful possibilities in the crop, and fun galore. Full directions on every packet. Pkt. 15c; 2 for 25c; 5 for 50c.



Large Cheese

Pumpkin Fr.—Potiron

One ounce will plant from 15 to 30 hills, according to variety.

Pumpkins are most delicious pie material and are easily grown with a crop of sweet or field corn or wherever there is room for the vines to spread.

CULTURE.—Sow seed in light rich soil, after danger from frost is past. Plant in hills 8 feet apart each way, or with corn every fourth hill. Cultivate same as for melons. Do not plant pumpkins near melons or other vines as they are liable to hybridize and damage the crop.

★ **CONNECTICUT FIELD**, or “BIG TOM.”—This is the common large yellow pumpkin so generally grown in the corn field. Our seed is very select and produces the heaviest and finest of this type. It is one of the best for feeding to stock, also quite good for pies. Pkt. 10c; oz. 20c; 2 ozs. 30c; ¼ lb. 65c; lb. \$1.50. postpaid.

JAPANESE PIE.—A crookneck sort with dark green skin mottled with yellow stripes. The flesh is very thick, salmon colored, fine grained, dry and sweet. It is the earliest and one of the very best for cooking and the making of pies. Pkt. 10c; oz. 30c; 2 ozs. 50c; ¼ lb. 90c, postpaid.

KING OF THE MAMMOTHS.—Largest of all pumpkins, frequently weighing from 100 to 200 pounds. Popular sort for stock feeding and desirable for exhibition purposes. Skin a deep orange-yellow in color; flesh, very thick, fine grained, and sweet. Good for pies; contains few seeds. Pkt. 10c; oz. 40c; 2 ozs. 70c; ¼ lb. \$1.25, postpaid.

★ **LARGE CHEESE**, or **KENTUCKY FIELD**—A desirable sort for market or family use. Fruits are of round, flattened form and about two feet through; skin, a rich creamy yellow; flesh, thick yellow and of excellent quality. A splendid keeper. Pkt. 10c; oz. 30c; 2 ozs. 50c; ¼ lb. 90c, postpaid.

QUAKER PIE.—A small, oval-shaped pumpkin, creamy-yellow both inside and out, and of splendid general quality for cooking and for pies. An excellent yielder and a good keeper. Pkt. 10c; oz. 30c; 2 ozs. 50c; ¼ lb. 90c, postpaid.

SMALL SUGAR.—A small round pumpkin ten inches in diameter with a deep orange skin. The flesh is a rich yellow in color, very thick and sweet, and of finest pie quality. Pkt. 10c; oz. 30c; 2 ozs. 50c; ¼ lb. 90c, postpaid.

★ **WINTER LUXURY.**—Fine pie pumpkin. Small, round, about 10 inches in diameter; golden-russet, finely netted; very productive; excellent keeper. Pkt. 10c; oz. 30c; 2 ozs. 50c; ¼ lb. 90c; lb. \$2.50, postpaid.

Both Excellent

YOU'LL LIKE THEM

STIM-U-PLANT—Concentrated Plant Food in tablet form; odorless; acts immediately; increases production; hastens maturity; improves quality; intensifies color. Price, postpaid, 30 tablets, 35c; 100 tablets, \$1.00.

SOX THE FINEST
INSECTICIDE
IN THE WORLD

Non-Poisonous; safe to use, and certain in effect, SOX is adhesive, and penetrating, dealing death to insect pests on fruit, flowers, and vegetables, yet quite harmless to plant life. Particularly recommended for conservatory, and house plants. We guarantee satisfactory results when directions are followed. Supplied in tablet form. Price postpaid, 3 tablets, 35c; 6 tablets, 60c; 12 tablets, \$1.00. One tablet will make one gallon solution.



Field of Big Tom Pumpkins.

Radish Fr.—Radis

One ounce will sow 100 feet of drill. 8 to 10 pounds per acre. Some thing that everybody plants and everybody likes. There is nothing that tastes or looks so good as fresh, crisp radishes from your own garden. And by planting every two weeks you can have them fresh and snappy from early Spring to very late Fall.

CULTURE.—Radishes delight in rich light sandy soil, and to be crisp and tender, must make rapid growth. They reach an edible condition in from 3 to 5 weeks. Plant in the open as soon as ground can be prepared in the spring. For a succession sow at intervals of two weeks until mid-summer. Sow seed in drills 1 foot apart and thin to 2 to 3 inches apart in the rows.

CRIMSON GIANT

Notwithstanding its immense size, does not get hollow or pithy—The flesh is sparkling white, crisp, solid, juicy and of mildest flavor. The shape of bulb is deep globe and the thin skin is a constant deep

crimson—Excellent for forcing and open ground. Pkt., 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.00.

★ VICK'S SCARLET GLOBE.

—A beautiful oval in shape, and a rich scarlet in color. An excellent sort for either forcing or the open ground. The flesh is crisp, tender, juicy and mild, and does not become pithy or spongy. Ready for use quite as early as "Non Plus Ultra," although of much greater size when fully matured. Pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.00, postpaid.

RAPID FORCING.—In extensive demand among Market Gardeners as an extra early selection of the popular Scarlet Turnip, White Tipped variety. Owing to its quick growth, smallness of foliage, splendid quality and appearance, it has become a favorite for growing under glass. Pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.00, postpaid.

★ SCARLET TURNIP, WHITE TIP-

PED.—Valuable for out-door cultivation, and for this purpose more extensively used than any other. Roots are bright scarlet in color with a clearly defined white tip. A splendid variety for the table on account of fine quality and tempting appearance. Pkt. 10c; oz. 20c; 2 ozs. 30c; ¼ lb. 50c; lb. \$1.75, postpaid.

SOX Protects
all Garden
Crops
against
Insect Pests



Scarlet
Globe



Scarlet
Turnip-
White
Tipped



Rapid
Forcing
Radish

EARLIEST SCARLET TURNIP.—Exceedingly early and the prettiest and most attractive little radish you could wish for. The roots are a beautiful bright scarlet in color, solid and of true globular shape. It grows very quickly, is of delicate flavor, and is fit to be used within three weeks from time of sowing. Pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.00, postpaid.

FRENCH BREAKFAST.—Medium size, olive shaped, small top; quick growth; beautiful scarlet shading to white. Excellent for family use. Pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.00, postpaid.

NON PLUS ULTRA FORCING (Dark Red Ball).—This variety has a small top and is as early as any in cultivation, making it one of the very best sorts for forcing under glass. Roots ready to pull may be had in three weeks and they remain fit for use longer than any other variety. Small globular in shape, smooth, deepest red in color; flesh is white, crisp, tender and mild in flavor. May be planted very closely owing to smallness of tops. Pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.00, postpaid.

LONG SCARLET

SHORT - TOP.

Popular long radish for market use; roots, six inches in length growing about one-third above ground. Quality of the finest; firm, brittle and very tender. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.00, postpaid.

EARLY WHITE TURNIP.—A handsome white-skinned sort of rapid growth. Flesh is transparent white, sweet, juicy and tender. Pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.00, postpaid.

SCARLET OLIVE.—A useful variety for forcing or open ground. Ready for use in 25 days. Rich scarlet; flesh crisp and tender. Pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.00, postpaid.

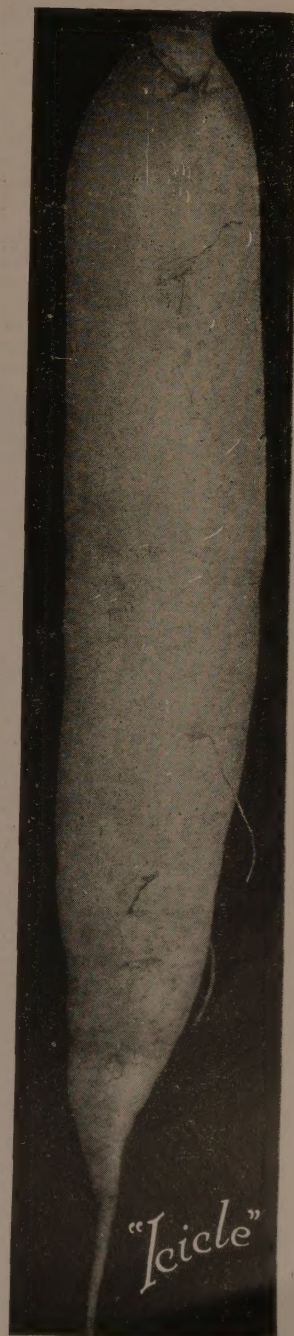
WHITE OLIVE SHAPED.—Like the preceding in shape, but pure white in color; similar in quality. Pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.00, postpaid.

★ **WHITE "ICICLE."**—The name is derived from the almost transparent whiteness of the root. It is one of the best summer radishes, and grows to a length of 5 inches. Flesh is fine grained, crisp and brittle, and retains this quality until 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.00, postpaid.

WINTER RADISHES.

ROSE CHINA WINTER.—The roots grow from 4 to 5 inches long, 1½ to 2 inches thick, and blunt at both ends. The skin is a bright carmine; flesh, white, crisp and pungent. May be sown up to August. Pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.00, postpaid.

LONG BLACK SPANISH.—Roots cylindrical and from 7 to 10 inches long with a diameter of from 2 to 3 inches; skin, very black, somewhat wrinkled; flesh, white, firm and compact. Pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.00, postpaid.



"Icicle"

TRADE MARK



Rhubarb Fr.—Rhubarbe

One ounce will produce about 400 plants.

Rhubarb is the great American pie plant, excellent for pies, puddings, sauces and preserves. Greatly esteemed because it is the earliest Spring vegetable.

MYATT'S VICTORIA.—A popular late sort. Large, thick, red-stalked. Pkt. 10c; oz. 50c; 2 ozs. 80c; ¼ lb. \$1.50, postpaid.

RHUBARB ROOTS.—Large, strong Roots, each 30c; 3 for 75c, postpaid; by express or freight, \$1.50 per doz.

CULTURE.—Rhubarb does best in very rich deeply dug soil. Sow the seed 1 inch deep in drills 1 foot apart thinning out the young plants to stand 8 to 10 inches apart in the rows. The following spring transplant into well prepared soil, setting the plants 3 to 4 feet apart each way. The crowns should be covered with about 4 inches of soil. The stalks should not be used until after the second year. Six to 10 plants are sufficient to supply a medium sized family. In extra early spring, rhubarb may be forced by placing a layer of manure 4 to 5 inches deep over a few plants and covering same with a melon frame, box or barrel, or any article which will retain the heat.



Spinach Fr.—Epinard

One ounce will sow 100 feet of drill. 10 to 12 lbs. per acre.

This is a cool season crop and can be planted early as frosts seem to have no effect on it. Unequaled for "greens" and when prepared by a good cook is almost equal to asparagus. You owe it to your health as well as your appetite to have some in your garden.

CULTURE.—Spinach is used extensively as "greens" for boiling, and is highly esteemed for this purpose. Quick development of the plant is necessary for best results, therefore the richer the soil the better will be the spinach. Sow in drills 12 to 15 inches apart, covering to a depth of 1 inch. Thin to 3 inches. A succession may be obtained by sowing at intervals of from two to three weeks from April to July.

COOPER'S TRIUMPH.—Leaves are a dark green in color, heavily crumpled and blistered. Will remain in good marketable condition after many of the other varieties have wilted and bolted to seed. Equally desirable for the market or home garden. Pkt. 10c;



BLOOMSDALE or Savoy Leaved.—Plant upright in growth, with dark, green, glossy leaves of medium size, pointed but broad and crumpled or blistered like Savoy cabbage. Pkt. 10c; oz. 15c; 2 ozs. 20c; ¼ lb. 35c; lb. \$1.00, postpaid.

BROAD FLANDERS.—Probably the most vigorous and strongest growing of all sorts. Leaves are nearly round, uniformly deep green, thick and somewhat crimped in the centre. Pkt. 10c; oz. 15c; 2 ozs. 20c; ¼ lb. 35c; lb. \$1.00, postpaid.

LONG STANDING.—Of quick growth; remains fit longer than others. Pkt. 10c; oz. 15c; 2 oz. 20c; ¼ lb. 35c; lb. \$1.00, postpaid.

THICK-LEAVED ROUND.—Of rapid growth; thick, dark green, slightly crumpled leaf. Pkt. 10c; oz. 15c; 2 ozs. 20c; ¼ lb. 35c; lb. \$1.00, postpaid.

VICTORIA.—This is the leader among market gardeners, and is readily distinguished by its very dark, Savoy-like leaves. It is also remarkable for its long-standing qualities, retaining its fine succulent qualities for fully two weeks after most other varieties have bolted to seed. Pkt. 10c; oz. 15c; 2 ozs. 20c; ¼ lb. 35c; lb. \$1.00, postpaid.

NEW ZEALAND.—Entirely distinct from other Spinach. The thick, fleshy stems and leaves are of a soft crystalline appearance. The plant will produce a crop of leaves for continuous picking throughout the entire summer months, which make delicious greens. Pkt. 10c; oz. 20c; 2 ozs. 35c; ¼ lb. 60c.

PRICKLY or WINTER.—Extremely hardy; withstands the severest weather with slight protection. Seed prickly; leaves oblong, or arrow-shaped. Generally planted in fall but good for spring sowing. Pkt. 10c; oz. 15c; 2 oz. 20c; ¼ lb. 35c; lb. \$1.00, postpaid.

Swiss Chard Fr.—Bette a Carde

Should be found in every City Garden.
1 ounce will sow 50 feet of drill.

Swiss Chard, also called Asparagus and Spinach Beet, is greatly prized by those who grow it, and many prefer it to Spinach. It is really a beet which develops large, tender, crumpled leaves with heavy midribs, but grows no root. Two distinct dishes may be had from the plant at the same time; the leaves may be cooked like Spinach, while the large leaf ribs are served like Asparagus. Requires very little care, and will bear continuously from July to November.

CULTURE.— Sow seed in spring in rows 16 inches apart. Thin plants to stand 6 to 8 inches apart. Frequent cultivation will improve the quality of the leaves. **GIANT LUCULLUS.**—The best of all the sorts in cultivation. Plants attain a height of 2 or 2½ feet. The stalks are as thick and as broad as Rhubarb, and the crumpled leaves similar to savoy-leaved spinach. Pkt. 10c; oz. 30c; 2 ozs. 50c; ¼ lb. 80c.



STIM-U-PLANT

THE MOST MODERN, EFFICIENT AND SCIENTIFIC METHOD OF FERTILIZING GROWING PLANTS.

Plant success is a matter of feeding crops definite amounts of stimulating foods as plants need them. Stim-U-plant tablets enable the planter to keep development absolutely under control, for he can feed the plants as they need food. They increase production, hasten maturity, improve quality and better the color of the plants and products. Stim-U-plant contains a guaranteed analysis of 11 per cent Nitrogen, 12 per cent Phosphoric Acid, and 15 per cent Potash. These fertilizer ingredients and water soluble, which causes them to become immediately available to the plants. Stim-U-Plant Tablets are supplied, postpaid, Small size, 35c; 100 tablets, \$1.00.

Squash Fr.—Coursage

Summer varieties 1 ounce to 50 hills, Fall and Winter sorts 1 ounce to 20 hills.

The Squash is a voracious feeder and for best results requires a soil which has been deeply trenched and well incorporated with well rotted manure. When the soil has become warm and weather conditions settled, plant bush varieties in hills 4 feet apart, and running sorts from 6 to 8 feet apart each way. 8 to 10 seeds should be planted in each hill. After attaining rough leaves and danger from bugs is over, thin out, leaving 2 to 3 of the strongest plants in each hill. Allow winter squashes to ripen thoroughly, otherwise they may not keep through the winter.

GIANT SUMMER CROOKNECK.—Fully twice as large as the original Crookneck, more warty and several days earlier. Of dwarf, bushy habit and exceedingly productive. Skin bright yellow; flesh greenish yellow; cooks quite dry and possesses a most agreeable flavor. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00, postpaid.

LONG WHITE BUSH (Vegetable Marrow).—A favorite English vegetable, measuring from 14 to 20 inches in length and from 4 to 6 inches in diameter. Skin smooth and creamy white. Should be used before fully grown, when flesh is tender and of delicious quality. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00, postpaid.



Hubbard

★ **HUBBARD.**—This is the standard winter squash and is always in greater demand than any other sort. The fruits have a dark green skin and quite often weigh from 15 to 20 pounds. The flesh is a bright orange yellow in color, very thick, fine grained and of excellent keeping quality. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00, postpaid.

CHICAGO or WARTED HUBBARD.—Resembles the original Hubbard, except that it is larger, a deeper green in color and shows greater development of the rough or warted surface. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00, postpaid.

ESSEX HYBRID.—A splendid winter Squash, of fine quality. Fruits are round, ribbed, and flattened at the ends; color, deep orange. Flesh is thick, sweet, fine grained, and highly flavored. Pkt. 10c; oz. 30c; 2 ozs. 50c; ¼ lb. 90c, postpaid.

Fall and Winter Varieties

BOSTON MARROW.—Desirable for fall and winter use; shape similar to Hubbard. When ripe the skin is golden orange, slightly shaded with cream; flesh, rich salmon, fine grained and of splendid quality. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00, postpaid.

GOLDEN HUBBARD.—While somewhat earlier than the famous Hubbard, it is similar in size and form. The shell is hard, moderately warted, and of a beautiful orange red. Flesh is deep orange in color, fine grained, dry and of excellent cooking quality. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00, postpaid.

MAMMOTH CHILL.—“Jumbo” of all squashes. Skin rich orange yellow, smooth, with wide fissures. Flesh thick, fine grained and sweet. Profitable for stock feeding, frequently weighing 200 lbs. Keeps well. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00, postpaid.

GOLDEN CUSTARD BUSH.—A valuable scalloped sort of the Patty Pan type. Skin is a deep orange; flesh pale yellow and of good quality. Pkt. 10c; oz. 30c; 2 ozs. 50c; ¼ lb. 90c, postpaid.

DELICIOUS.—A valuable new sort, for which there is an ever increasing demand. It is top-shaped, of medium size, a dark green or a bluish-green in color; the fruits average from 5 to 10 pounds in weight. The flesh is unusually thick and sweet; a dark orange in color. There is no better squash for fall and winter use. Pkt. 10c; oz. 35c; 2 ozs. 60c; ¼ lb. \$1.00, postpaid.



Long White
Bush Marrow

Salsify Fr.—Salsifis

Also known as “Vegetable Oyster.” One ounce will sow 60 feet of drill. Easily grown with large, straight, fleshy roots delicately flavored suggestive of the oyster. Used in Fall, Winter and Spring when other vegetables are scarce.

HOW TO USE SALSIFY.

Clean the roots and cut in inch slices. Boil with a small piece of codfish (which should be discarded as soon as the Salsify is cooked), as this intensifies the oyster flavor. Serve with cream sauce or plain butter, pepper and salt. When cold, mash and fry like patties or fritters. Some people like it in salads sliced raw with vinegar, pepper and salt.

CULTURE.—Salsify succeeds best in light, well enriched mellow soil, which should be deeply dug and kept free from weeds. Sow seed early in spring 1 inch deep in drills 12 to 15 inches apart. Thin to 6 inches apart in the rows. Cultivate same as for Parsnip. In fall, dig and store like Carrots.

MAMMOTH SANDWICH ISLANDS.—This variety grows to a large size, and resembles a small-sized parsnip. It is very mild and possesses a delicate oyster flavor. The largest and most profitable sort to grow. Pkt. 10c; oz. 40c; 2 ozs. 70c; ¼ lb. \$1.25, postpaid.



Mammoth Sandwich
Island Salsify



Giant Summer Crookneck

Considering conditions as we have them to-day, the prices printed in this catalogue are so evidently reasonable that seemingly nothing is to be said regarding them, yet there are so many seeds of doubtful pedigree, weak vitality, and undesirable quality generally, offered for sale, that we ask our customers to remember that we will not buy or handle at any price Vegetable or Flower Seeds unless raised by experienced growers from stock seeds of known purity and genuineness. Therefore do not believe, because you see seeds offered for less money under similar names by other firms, that the same are equal in real value to ours. We declare that we sell only the best stocks obtainable, and at as reasonable prices as first-class seeds can be sold.

Tomato Fr.—Tomate

One ounce of seed will produce about 1,000 plants.

The Tomato is one of our finest vegetable fruits which repays the grower many times over for all the care and time that the cultivation entails.

McDonald's tested seeds produce consistently year after year healthy, vigorous vines—yielding an abundant supply of meaty, firm, smooth, luscious tomatoes—rich in color and delicious to the taste.

By using good stout stakes about 1½" in diameter and up—the fruit will be more perfect, especially if the season is wet.

CULTURE.—Sow seed any time during March or early April in hotbed, greenhouse or box, in warm sunny window. Plants should be transplanted after attaining second leaves, and again when too crowded. In this way they will become more sturdy and branching. After danger from frost, and when plants are well hardened by exposure to outside air, set into the open ground, allowing 3 to 4 feet each way between plants. Water freely at time of transplanting, and shelter from sun until well established.

BEAUTY.—One of the best in cultivation. Vines are of strong vigorous growth, fruits borne in clusters of from four to six large, smooth tomatoes of a rich glossy crimson, with purplish tinge. Highly productive and ripens evenly to the stem without a crack. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.

ACME, Improved.—A superior round fruited variety of purplish-pink color. Vines are hardy and immensely productive, fruits hanging in clusters of four and five. No better variety for market gardeners who want an early purple fruited sort. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.

DWARF CHAMPION.—This variety owes its popularity to its peculiar habit of growing. Not only is it dwarf and compact, but the stem, being thick, stiff and short jointed, is almost self-supporting when laden with fruit. It is early and of a purplish-pink color; smooth, symmetrical, solid and of fine quality. The best variety to grow plants for sale owing to their stocky growth. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.

SPARK'S EARLIANA.—Probably no early tomato has attracted so much attention. Not only extremely early, but remarkable for its large size, handsome shape and bright red color. Vines are compact in growth, with short, close-jointed branches. The best extra early tomato so far produced. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.

★ **CHALK'S EARLY JEWEL**—Follows within a week of

Spark's Earliana. Is a heavier cropper and the largest, smoothest and finest flavored, extra early bright scarlet tomato now offered. Vines are vigorous and produce fruits continuously through the season. Flesh is solid, with comparatively few seeds, ripening right up the stem, without any cracks or green core. Eminently desirable for market use. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.



Chalk's
Early
Jewel

LIVINGSTON'S GLOBE.—In shape distinct from other sorts, being handsome globe, which permits of a greater number of slices than is possible with any of the flat varieties. Among the first to ripen; fruits are large and maintained throughout the season. Always firm and has few seeds, especially in early fruits. A glossy rose tinged with purple.

Remarkably productive, plant being close jointed, and bearing large clusters of from three to five, which ripen evenly. An excellent keeper and especially adapted to slicing, as the flavor is very delicate and agreeable. Pkt. 10c; oz. 75c; 2 ozs. \$1.35; ¼ lb. \$2.50, postpaid.

JUNE PINK.—Earliest pink tomato, similar in form and growth to the Earliana. Might be described as a pink Earliana. Excellent for market gardeners who want a pink tomato. Fruits are of good size and fine quality, ripening evenly, permitting the crop to be gathered in a short time. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.

NEW DWARF STONE.—Resembles Dwarf Champion in habit of growth, but stronger and more erect. Fruit solid, with good skin; ripens evenly; excellent flavor. Resembles Livingston's Stone in its bright red color and shape, and is almost as large. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75.

STONE.—Best all-round variety where earliness is not important. Large, exceedingly solid and heavy. Deep red, very smooth, ripening evenly to the stem, without a crack. Not subject to rot; vines and foliage rank and robust. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.

PONDEROSA.—Largest and heaviest of the tomato family, the fruits frequently weighing more than two pounds each, and measuring in circumference from 15 to 18 inches. Almost seedless; solid and meaty; a handsome crimson in color. A shy seeder, and for this reason always higher in price than the average variety. Pkt. 10c; oz. 75c; 2 ozs. \$1.35; ¼ lb. \$2.50, postpaid.



Livingston's Globe
HALF NATURAL SIZE

★ **BONNY BEST.**—An early scarlet-fruited variety, ripening its fruits same time as Chalk's Early Jewel, which it otherwise much resembles. A strong grower and bountiful yielder. Fruits are even in size, smooth, solid and ripen evenly all over. Splendid for market or home garden. Pkt. 10c; oz. 60c; 2 ozs. \$1.00; ¼ lb. \$1.75, postpaid.



Small Fruited Tomatoes

SMALL FRUITED SORTS, MIXED.—A splendid mixture containing all the best small fruited varieties. Pkt. 10c; ½ oz. 60c; oz. \$1.00, postpaid.

STRAWBERRY (Winter Cherry or Husk Tomato).—A small sized fruit grown within a husk. Is valuable for preserving, making into pies, or for eating from the hand. Pkt. 10c; ½ oz. 60c; oz. \$1.00, postpaid.

YELLOW PLUM.—Fruits are plum-shaped, two inches in length and one in diameter. Color, bright lemon-yellow, solid and of fine flavor. Much esteemed for preserving. Pkt. 10c; ½ oz. 60c; oz. \$1.00, postpaid.

RED PLUM.—Similar to preceding sort, but of bright red color. Pkt. 10c; ½ oz. 60c; oz. \$1.00, postpaid.

Turnip Fr.—Navet

CULTURE.—Turnips do best in a rich sandy loam. Commence sowing early varieties as soon as the ground can be worked. Sow seed $\frac{1}{2}$ to 1 inch deep in drills from 12 to 18 inches apart. Later, when plants are sufficiently strong to resist attacks of insects, thin out to stand from 4 to 6 inches apart in the rows. Rutabagas or Fall and Winter Turnips should not be sown until July or August. Use 2 to 3 pounds of seed per acre in drills. Thin to 6 to 8 inches.

★ **EXTRA EARLY PURPLE TOP MILAN.**—Earliest of all turnips and a splendid variety. Bulbs are of a distinct flattish type, medium size, very smooth, white under the ground and a beautiful purple-red above. Flesh is of finest quality, sweet, mild and tender. Pkt. 10c; oz. 20c; 2 ozs. 35c; $\frac{1}{4}$ lb. 60c; lb. \$2.00, postpaid.

★ **EARLY SNOWBALL (White Stone).**—A globe-shaped variety with short top and single tap root. Flesh snowy white, solid, and of mild flavor. Pkt. 10c; oz. 20c; 2 ozs. 35c; $\frac{1}{4}$ lb. 50c; lb. \$1.50, postpaid.

★ **GOLDEN BALL or ORANGE JELLY.**—A distinct variety of very fine texture, and most delicious of the yellow-fleshed sorts. Of medium size, with small tap roots; a rapid grower, maturing early, and keeping well. Pkt. 10c; oz. 20c; 2 ozs. 35c; $\frac{1}{4}$ lb. 50c, lb. \$1.50, postpaid.

Herbs Fr.—Herbes Potageres

They are easily grown and are desirable for flavoring, perfuming and medicinal purposes.

CULTURE.—Perennial varieties and nearly all annual or summer sorts do best in cool, moist soil, seed germinating best when sown early in spring, so that plants may become well established before hot summer months. Sow seed in shallow drills 12 to 18 inches apart; when plants are well up thin out to proper distance apart. They should be gathered on a dry day, just before they reach full bloom, tied up into small bunches and hung in a cool place to dry until needed. Or when thoroughly dry the leaves may be rubbed off and put into wide-necked bottles, so that air may be entirely excluded.

★ **ANISE (Pimpinella anisum).**—Cultivated for its seeds and its leaves, which are used as a garnish and for seasoning. Pkt. 10c; oz. 35c, postpaid.

★ **BALM (Melissa officinalis).**—A fragrant lemon-scented perennial used for making balm tea or balm wine. Pkt. 10c; oz. 75c, postpaid.

★ **BASIL, SWEET (Ocimum basilicum).**—Hardy annual. Leaves and tops of shoots are gathered and used for highly seasoned dishes in soups, stews and sauces; a leaf or two is sometimes used in salads. Pkt. 10c; oz. 50c, postpaid.

★ **CARAWAY (Carum carui).**—Cultivated for its seed, which is used in confectionery and cakes. Pkt. 10c; oz. 25c, postpaid.

★ **MCDONALD'S PERFECTA SWEDE.**

—This magnificent sort is of handsome globular shape, with a rich purple top shading down to a yellow on the lower portion. The flesh is solid and juicy, and of excellent cooking quality. It is also one of the best cropping sorts in cultivation, and will carry right through into the Spring months. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid.

★ **PURPLE TOP WHITE GLOBE.**—A handsome globular root and one of the best for early use. Will grow to a larger size than any of the other early sorts, but its finest table quality is attained at a diameter of about 3 inches. Roots are purple or dark red above ground, white below. Pkt. 10c; oz. 20c; 2 ozs. 35c; $\frac{1}{4}$ lb. 50c, lb. \$1.50, postpaid.

★ **WHITE EGG.**—A quick-growing egg-shaped variety, perfectly smooth and pure white. Flesh firm, fine grained and very mild. Pkt. 10c; oz. 20c; 2 ozs. 30c; $\frac{1}{4}$ lb. 50c; lb. \$1.50, postpaid.

★ **LAING'S IMPROVED.**—While not of large size, it is very desirable and highly recommended for garden cultivation. Pkt. 10c; oz. 15c; 2 ozs. 25c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid.

★ **EXTRA EARLY WHITE MILAN.**—Similar to Purple Top Milan, except that skin is a pure white all over. Pkt. 10c; oz. 20c; 2 ozs. 35c; $\frac{1}{4}$ lb. 60c; lb. \$2.00, postpaid.

★ **BORAGE (Borago officinalis).**—Sown largely for bee pasturage. Used for claret cup and other drinks. The young leaves make an excellent salad. Pkt. 10c; oz. 90c, postpaid.

★ **CATNIP or CATMINT (Nepeta cataria).**—A hardy perennial, well known as a mild nerve for infants. Also a useful bee food. Pkt. 20c; oz. \$1.50, postpaid.

★ **CORIANDER (Coriandrum sativum).**—Has a pleasant aroma and is used in confectionery and for flavoring of liquors. Pkt. 10c; oz. 25c, postpaid.

★ **DILL (Anethum graveolens).**—Seeds and leaves are aromatic, warm and pungent, and used to flavor soups and stews and in pickles. Pkt. 10c; oz. 25c, postpaid.

★ **HOREHOUND (Marrubium vulgare).**—Leaves used for seasoning, and also in making cough preparations. Pkt. 10c; oz. 90c, postpaid.

★ **HYSSOP (Hyssopus officinalis).**—Hardy perennial. Leaf tops and flowers are gathered and dried for making Hyssop tea. Pkt. 20c; oz. \$1.25, postpaid.



Sage

Best for Culinary and Medicinal use when Home-grown.

★ **LAVENDER (Lavandula vera)**—Used as a distillation of lavender water, or dried and used to perfume linen. Pkt. 20c; oz. \$1.25, postpaid.

★ **MARJORAM, SWEET (Origanum marjorana).**—Leaves and ends of shoots esteemed for seasoning in summer and also when dried for use in winter. Pkt. 10c; oz. 75c, postpaid.

★ **SAGE (Salvia officinalis).**—Extensively used for flavoring and dressing. Pkt. 10c; oz. \$1.25, postpaid.

★ **SUMMER SAVORY (Satureia hortensis).**—Leaves used for culinary purposes, having an agreeable flavor. Pkt. 10c; oz. 75c.

★ **TANSY (Tanacetum vulgare).**—Cultivated for medicinal purposes. Pkt. 20c; oz. \$1.25, postpaid.

★ **THYME (Thymus vulgaris).**—Young leaves and tops used for seasoning. Pkt. 10c; oz. \$1.25, postpaid.

★ **RUE (Ruta graveolens).**—Leaves small and pungent; occasionally used for seasoning, but chiefly for medicinal purposes. Pkt. 20c; oz. \$1.25, postpaid.

★ **ROSEMARY (Rosmarinus officinalis).**—Aromatic leaves are used for seasoning. Oil from flowers is chief ingredient in Eau-de-Cologne. Pkt. 20c; oz. \$1.25, postpaid.

Tobacco Fr.—Tabac

CULTURE.—The seed should be sown in a hotbed, or in the open ground after danger from frost. A good plan is to burn a quantity of brush or rubbish in the spring on the ground intended for the seed bed; then dig and thoroughly pulverize the earth, mixing with the ashes, after which the seed may be sown and covered very lightly. When the plants are about 6 inches high transplant into rows $3\frac{1}{2}$ feet apart and 3 feet between the rows. Cultivate thoroughly.

★ **BIG HAVANA.**—One of the earliest to mature and ripen; a large long leaf. Pkt. 10c; $\frac{1}{2}$ oz. 60c; oz. \$1.00, postpaid.

★ **COMSTOCK SPANISH.**—Also known as Zimmer's Spanish; leaves large and of silky texture. More extensively grown than any other in the Northern States. Pkt. 10c; $\frac{1}{2}$ oz. 60c; oz. \$1.00, postpaid.

Every starred variety is a special strain.

★ **CANELLE or QUESNEL.**—A small variety extensively grown in the Province of Quebec. Pkt. 10c; $\frac{1}{2}$ oz. 60c; oz. \$1.00, postpaid.

★ **CONNECTICUT SEED LEAF.**—Very hardy and particularly adapted to northern sections; leaves of medium size. Pkt. 10c; $\frac{1}{2}$ oz. 60c; oz. \$1.00, postpaid.

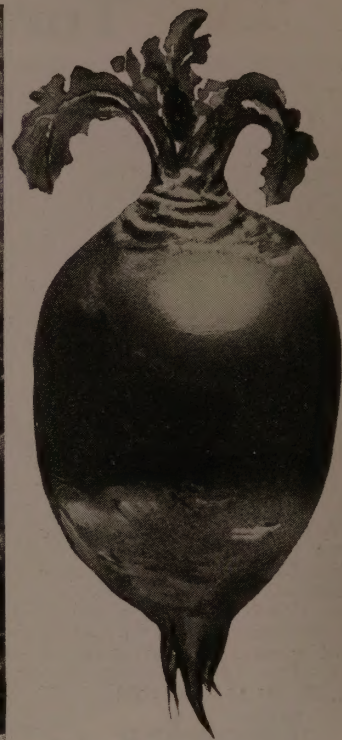
★ **GENERAL GRANT.**—One of the earliest sorts; produces a leaf 44 inches long and of proportionate breadth. Pkt. 10c; $\frac{1}{2}$ oz. 60c; oz. \$1.00, postpaid.

★ **IMPROVED WHITE BURLEY.**—One of the very best sorts for general cultivation. Extensively used for manufacturing purposes. Pkt. 10c; $\frac{1}{2}$ oz. 60c; oz. \$1.00, postpaid.





The Prize Elephant Swedes are Big Producers.



McDonald's Swede Turnips

CULTURE.—The turnip is essentially a cold weather plant, and does best when most of its growth is made in the fall. The best soil for this crop is a friable rich, sandy loam, free from fresh manure; sod land that is newly broken is also excellent. But on old land, that is land which has been cultivated for years, the roots are apt to become wormy. The best time to sow swedes is from June 15th to the middle of July. Seed should be sown rather thickly, say 3 lbs. per acre, to allow for possible attack of flea beetle and thinning out.

HARTLEY'S BRONZE-TOP.—Roots are oval shaped, large and solid, having small neck and single tap root. A very heavy cropper and extremely hardy. $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 55c; lb. \$1.00, postpaid.

Field Carrot

CULTURE.—Carrots do best in a deep rich sandy loam, well pulverized and deeply cultivated. Sow from 2 to 3 pounds of seed to the acre, in drills from 18 to 24 inches apart, and when about 3 inches high, thin to stand from 4 to 6 inches apart in the row

★ **IMPROVED SHORT WHITE** The most popular of the white sorts. Roots are half long, very heavy at the shoulder but tapering regularly to a point; color, light green at the crown, creamy white below; flesh, white, solid, crisp and of splendid quality. $\frac{1}{4}$ lb. 40c; $\frac{1}{2}$ lb. 70c; lb. \$1.25, postpaid

DANISH CHAMPION.—This is the largest, heaviest cropping and most nutritious yellow carrot now grown for stock feeding. $\frac{1}{4}$ lb. 40c; $\frac{1}{2}$ lb. 70c; lb. \$1.25, postpaid

GIANT WHITE BELGIAN.—In light, rich soils the roots grow to mammoth size; length about 16 inches, growing one-quarter above ground. $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 60c; lb. \$1.00, postpaid.

For Stock, Swede Turnips have a food value which makes them one of the best crops that a farmer can raise. McDonald's seeds in Swedes are furnished by expert growers of England, Scotland and Denmark. There are many varieties, all famous for size, solidity and feeding value.

★ **DANISH QUEEN.**—While we list this chiefly as a stock feeding sort, it has become so popular for market use on account of its very superior cooking qualities, combined with great productiveness, that we now feel justified in listing it as one of the very best swedes for market trade. The lower portion of the root is yellow gradually shading to a rich violet towards the top. $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 55c; lb. \$1.00, postpaid.

★ **SELECTED PRIZE ELEPHANT.**—Roots are large, tankard shaped, with relatively small neck and top; color purplish-crimson above ground, yellow below; flesh solid, fine grained and unsurpassed for feeding quality, keeping sound until late in spring. $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 55c; lb. \$1.00, postpaid.

SKIRVING'S PURPLE-TOP SWEDE.—One of the old-time swedes, at present in limited demand. Also known as "King of the Swedes." $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 55c; lb. \$1.00, postpaid.

Turnips for Fall and Winter Feed

CULTURE.—Sow from first week in July to middle of August, in drills, using 2 to 3 pounds of seed per acre.

POMERANIAN WHITE GLOBE.—One of the most productive sorts; in good rich soil attaining to a weight of from ten to twelve pounds. $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 50c; lb. 90c, postpaid.

PURPLE-TOP WHITE GLOBE.—A rapid growing sort, producing a greater weight per acre within a given time than any other white varieties. $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 50c; lb. 90c, postpaid.

DEVONSHIRE GREYSTONE.—A motley-topped variety which grows to an immense size and is extensively used for early feeding. $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 50c; lb. 90c, postpaid.

UNIVERSAL.—A purple-top variety most highly recommended. Roots grow to large size; perfectly round; have very small tap roots and practically no neck. $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 55c; lb. \$1.00, postpaid.

HALL'S WESTBURY.—An old-time favorite and still one of the leaders. Skin, deep red-dish-purple above ground, yellow below; flesh, solid, fine grained and sweet. $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 55c; lb. \$1.00, postpaid.

MAGNUM BONUM.—A superior purple-top swede, distinguished for its hardy constitution, handsome form, and enormous weight of roots per acre. $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 55c; lb. \$1.00, postpaid.

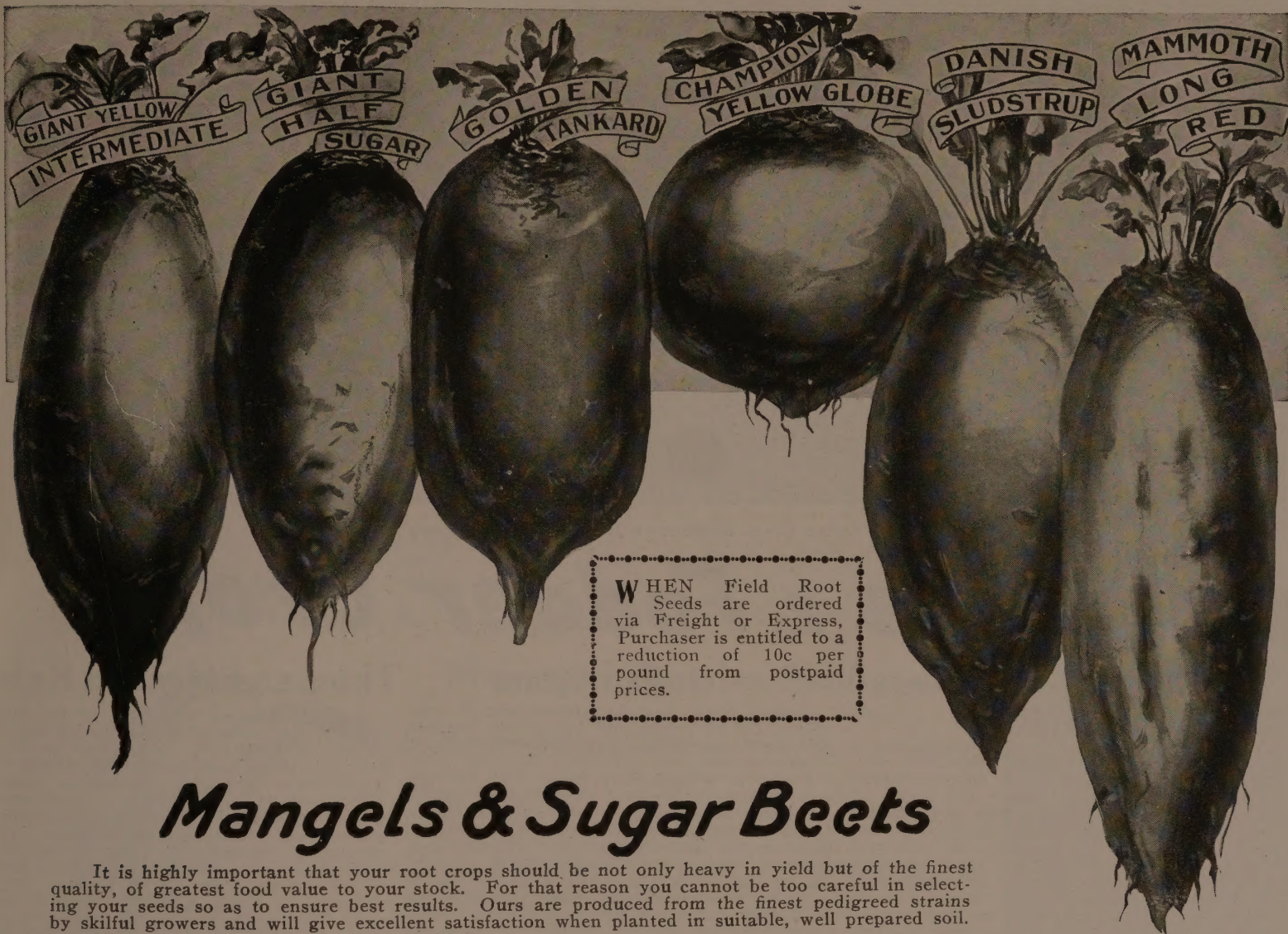
CHAMPION.—Has given excellent results. Roots large, purple on top; flesh yellow, tender and sweet. $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 55c; lb. \$1.00, postpaid.

KANGAROO SWEDE.—Possesses heavy cropping features of famous Elephant, with the constitution of the best types of Green Top Swedes. Is therefore better adapted to sowing on land that lies exposed and is more backward than other sorts. $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 55c; lb. \$1.00, postpaid.

PURPLE-TOP YELLOW ABERDEEN.—Root is purple above and deep yellow below ground. It is hardy, productive and keeps well. $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 50c; lb. 90c, postpaid.

RED-TOP STRAP LEAF.—Of quick growth, maturing in from eight to nine weeks. One of the very best for late sowing. Roots are of medium size, flat, dark red above ground and white below; flesh white, sweet and fine grained. $\frac{1}{4}$ lb. 50c; $\frac{1}{2}$ lb. 80c; lb. \$1.50, postpaid.

WHITE NORFOLK.—Skin is white and smooth, leaves large and green; flesh white and of good quality. Many of our French patrons prefer this to all others, it being known to them as "Rabiole." $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 50c; lb. 90c, postpaid.



WHEN Field Root
Seeds are ordered
via Freight or Express,
Purchaser is entitled to a
reduction of 10c per
pound from postpaid
prices.

Mangels & Sugar Beets

It is highly important that your root crops should be not only heavy in yield but of the finest quality, of greatest food value to your stock. For that reason you cannot be too careful in selecting your seeds so as to ensure best results. Ours are produced from the finest pedigreed strains by skilful growers and will give excellent satisfaction when planted in suitable, well prepared soil.

MCDONALD'S SELECTED MAMMOTH LONG RED.—An extra selected strain of the popular Mammoth Long Red Mangel. Grows to immense size; is remarkable for handsome, thick, uniform shape. Flesh is deep-colored red, and of very fine texture and quality. Produces heavy tonnage. $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; lb. 70c. postpaid.

DANISH SLUDSTRUP.—It is a reddish-yellow root, not so long as Mammoth Long Red, and contains a larger percentage of nutriment than any other mangel. Very hardy, grow well above ground and are easily pulled. Sludstrup has been awarded several First Class Certificates by the Danish Government. $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; lb. 70c. postpaid.

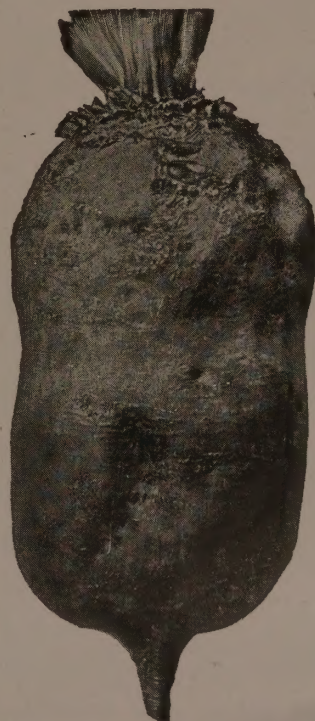
GIANT YELLOW INTERMEDIATE.—An improved type. Roots are of magnificent form and size; larger and heavier than Yellow Intermediate; smooth, even in shape, growing half above ground. Flesh is white, firm and sweet. An excellent keeper that produces enormous crops. Recommended for gravelly, shallow and light soils. $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; lb. 70c. postpaid.

GOLDEN TANKARD.—A distinct and valuable yellow-fleshed variety which contains a large percentage of saccharine and nutritive matter. Highly regarded for its superior milk-producing qualities. Is a deep rich yellow; flesh firm and solid. Enormous crops that are easily harvested. $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; lb. 70c. postpaid.

YELLOW GLOBE.—This globe-shaped variety produces bulbs of large size. Skin is deep orange-yellow; flesh, white, of excellent quality and free from coarseness. Roots grow two-thirds above ground, a feature which makes it very desirable for shallow soils. $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; lb. 70c; postpaid.

MCDONALD'S RED TANKARD.—A magnificent root of cylindrical form closely resembling Tankard, growing largely above the surface; is therefore easily lifted. Yields heavy crops of large, clean, uniform roots, which are of best feeding quality. $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; lb. 70c; postpaid.

All Dairymen should grow
Giant Half Sugar



McDonald's Red Tankard

Nutritious Sugar Beets

GIANT HALF SUGAR.—Also known as Royal Giant Sugar Beet. Combines bulk of the Mangel with desirable quality of the Sugar Beet. While yielding almost as great a bulk as the Mangel it supplies a food of greater value, flesh being rich and nutritious. For feeding more valuable, pound for pound, than any of the older sorts of Sugar Beet, while the yield is very much greater. Root is oval, bright rose above and white below. $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; lb. 70c. postpaid.

IMPROVED DANISH SUGAR BEET.—A favorite variety and extensively used for stock feeding. Roots grow to a large size, are heavy, rich in sugar, hence of superior value for dairy cattle, promoting an increased flow of milk. Skin shaded or flushed with pink. $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; lb. 70c. postpaid.

RED TOP SILESIAN.—Combines with heavy yield a good percentage of sugar. $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; lb. 70c. postpaid.

Artichoke Roots

WILL PRODUCE MORE HOG FOOD PER ACRE THAN ANY OTHER CROP

There is no better food to build up large, healthy frames with plenty of bone and muscle. Hogs will not only grow but will produce great weight in a comparatively short time when fed on Artichokes. No other crop will give as good returns at anything like the cost. Even the harvesting is avoided by giving the hogs a chance to root them out for themselves. Artichokes need planting but once and little or no culture after the first year. Cut as potatoes only smaller; plant in rows three and one-half feet apart. Price, \$2.00 per bushel.



Sudan Grass Produces a Heavy Luxuriant Crop.

Forage & Fodder Crops

Improved Dwarf Essex Rape

An Ideal Food for Sheep and Hogs.

A forage plant of great merit and of special value for the pasture of sheep and hogs. It is easily grown, perfectly hardy and adapted to almost all sections of Canada. It is an annual, and provides an abundance of rich succulent green feed at a season of the year when it is most needed. One acre will yield from ten to fifteen tons of excellent green feed, or will supply sufficient pasture for from ten to twenty sheep for a period of two months. The seed may be sown any time from June to August; broadcast, at the rate of 5 lbs. per acre, or if sown in drills 3 lbs. to the acre, allowing the drills to stand from 2 to 2½ feet apart. If not eaten too bare, its broad foliage enables it to smother the weeds; and by judicious grazing it will last throughout the season, and leave the land in good clean condition. Price: Improved Dwarf Essex Rape, lb. postpaid, 35c; by express or freight, lb. 25c; 10 lbs. and upwards, 20c per lb.

Early Soy or Soja Beans

Like clover, the Soy Bean is a great enricher gathering nitrogen from the air and storing it in the soil. The vines which are sweet and palatable can be cut and used as hay, and when properly cured are said to be greatly relished by all stock. The seed is usually drilled in rows from 2 to 2½ feet apart and the crop cultivated two or three times before the vines cover the ground. When sown in this manner it requires from 40 to 50 lb. of seed per acre.

A crop of Soy Beans plowed under in the fall will add greatly to the fertility both in nitrogen and humus. For this reason the crop is largely in demand to restore worn-out soil. Price, lb., postpaid, 30c. Write for quantity price.

Common Vetches or Black Tares

An ideal forage crop, and one that will flourish in districts too cool and uncertain for Corn. Eagerly eaten by all kinds of stock. Sow broadcast at the rate of one to 1½ bushels per acre, or if sown with Oats, 50 lbs. Tares and one bushel Oats per acre (60 lbs. per bus.). Lb., postpaid, 30c. Write for quantity price.

Sudan Grass

Sudan Grass can be grown almost anywhere, but the drier and hotter the weather, the more you will be surprised at the growth it makes.

Sudan is a nutritious grass, rich in protein, having a pleasant sweet taste, and is well liked by all stock. Two crops of Sudan Grass can be harvested if the seed is planted at about the same time as corn. The ground, however, must be thoroughly warm and the season beyond the likelihood of frost.

As to yield, a conservative average would be 5 tons of hay per acre each season. Sudan Grass may be planted in 1½ foot rows, in close drills, or broadcast. It requires anywhere from 6 to 20 lbs. of seed per acre according to method of cultivation.

A forage crop so generous in its yield should commend itself alike to both Dairy-men and raisers of stock.

Price, per lb., postpaid, 30c; by freight or express at purchaser's expense, 20 lbs. \$3.00. Write for quantity price.

Sorghum or Sugar Cane

In all sections where corn will grow Sorghum can also be produced as a desirable and profitable crop. Milch cows are very fond of it, and for milk-producing qualities, it is very hard to beat. As a pasture crop for cattle, sheep and hogs, it is in every way excellent. When fed as a grazing crop it will quickly spring up again, thus a large amount of pasture may be obtained at a season when forage is frequently short in supply. As a fodder crop it furnishes an enormous amount of palatable feed which is richer and more nutritious than fodder corn. Sow ten to twelve pounds per acre in drills, and cultivate same as corn; or broadcast, at rate of 30 to 40 lbs. per acre.

Price, per lb., postpaid, 30c; by freight or express, at purchaser's expense, 20 lbs., \$2.00. Write for quantity price.

Teosinte

Produces a large quantity of forage which is most valuable as a green feed, being exceedingly tender, sweet and juicy. Greedily eaten by stock. Leaves larger than those of corn; can be cut off for green forage at any stage of the growth. If cut above second base joint will sprout quickly into fresh growth. Sow in drills at same time as corn, from 3 to 4 feet apart, plants one foot apart. Price, postpaid, ¼ lb. 35c; lb. \$1.00.

Thousand Headed Kale

Another valuable forage plant and particularly desirable as pasturage for sheep. Attains a height of from three to four feet and is covered with small whorls of leaves from which it derives its name, "Thousand Headed Kale." When once well started it is of remarkably quick growth and will continue to grow with increasing rapidity after being fed off. Will do well in almost any good soil. Sow in drills from 2 to 2½ feet apart, later thinning to stand 1½ feet apart in the row. One pound of seed is sufficient to the acre. Price, postpaid, ¼ lb., 25c; ½ lb., 40c; lb., 70c.

Sand, Winter or Hairy Vetch

A Valuable Forage Plant. A Marvel to all who grow it.

This great forage, soiling and seed producing plant is a legume, and gathers nitrogen from the air, making it one of the most useful soiling crops for poor or worn out lands. It is hardy and thrives on sandy soil too poor for clover. The vines are similar to those of the pea, but more slender and thickly clad with leaves and side stems, which furnish a choice quality of nice succulent feed, which is greatly relished by hogs, sheep and cattle. While an annual, it re-seeds itself, coming up year after year on the same ground. The seed is black and perfectly round, and should be sown at the rate of 50 to 60 lbs. with ½ bushel of Barley, Oats or Rye. Lb., postpaid, 40c; by express or freight, lb., 30c; 10 lbs., \$2.50. Write for quantity price.

Cow Peas (Whip-Poor-Will)

Rivals Clover as a Soil Enricher.

While the stalks and leaves in green state make excellent fodder, its special merit lies in reclaiming poor and worn-out soils. As soil renovators and enrichers, Cow Peas have few equals as they collect nitrogen from the air and assimilate it with the soil, thus increasing its productive power at trifling cost. Poor, sandy and worn-out soils may be restored to full fertility by ploughing under one or more crops of Cow Peas. Sow at corn planting time, at the rate of from 1 to 1½ bushels per acre. Lb., postpaid, 30c. Write for quantity price.

LET THESE CROPS SOLVE YOUR FEEDING PROBLEMS

Hungarian Grass and Millets

HUNGARIAN GRASS.—An excellent forage plant, on account of speedy growth and ability to yield a fine crop in a short season. Frequently sown as a catch crop; will produce good results if sown up to July first. Less rank in growth than millets; adapted to light soil. Sow from $\frac{1}{2}$ to $\frac{3}{4}$ bushels to the acre; weight per bushel 48 lbs. Price, bush., \$2.90; 100 lbs. \$6.00.

Japanese Millet

YIELDS A GOOD HAY CROP IN TEN WEEKS.

Japanese Millet is a rapid growing forage and ensilage plant which attains to a height of six to eight feet and yields 12 to 15 tons of green fodder per acre. It can be cut and fed in green state until seed begins to ripen and makes excellent hay if cut when coming into bloom. For cows it is highly nutritious, greedily eaten, and invariably increases the flow of milk. Does best on a rich, moist soil. Sow 12 lbs. per acre in drills or, if sown broadcast, use from 20 to 25 lbs. per acre. 10 lbs. \$1.75; 100 lbs., \$15.00.

ABOUT PRICES.

At date of printing this catalogue it is practically impossible to name prices several months in advance. As a result prices given on this page must be treated as nominal only. When ready to order write for our **RED FIGURE PRICE LIST** which will give prices current with us at date of issue

COMMON MILLET.—Similar to Hungarian in season and manner of growth; height from 2 to 3 feet; foliage broad and abundant. Price, bush., \$2.70; 100 lbs. \$5.50.

GOLDEN MILLET.—Grows 4 to 5 feet high, and is one of the best varieties for hay, being sweet, palatable and milk producing if cut when in full bloom. Cows, horses and other farm stock eat it greedily and thrive well on it. Price, bush., \$2.90; 100 lbs. \$6.00.

SIBERIAN MILLET.—About two weeks earlier than Golden Millet, very prolific, and yields a magnificent crop of hay in about 70 days from sowing. It grows about 4 feet high and is highly nutritious and greatly relished by all kinds of stock. Price, bush., \$2.70; 100 lbs. \$5.50.

HOG MILLET.—This variety is grown principally for its enormous crop of seed which makes splendid feed for poultry, hogs and other stock. It will yield 60 bushels or more per acre and the seed is of the highest food value. Price, bush., \$2.70; 100 lbs. \$5.50.

Mammoth Russian Sunflower

Valuable Silage Where Corn Crop is Uncertain.

Sunflowers have demonstrated their value as ensilage crop when seasonal conditions are unfavourable for the profitable growing of corn for ensilage. Sunflowers have proven of great value as an ensilage crop. They are not hard to grow, withstand the frost better than corn, and give excellent yields. Sunflowers are handled in a manner similar to corn, planted in rows, either with an ordinary grain seeder or with a corn planter, as soon as weather and soil conditions permit. They should be sown about one week earlier than the usual time for planting corn. Best results are obtained when sown in rows 24-36" apart, with a distance of 6-10" between plants in the row. Sunflowers require, as does corn, cultivation during the summer, and in this respect shallow rather than deep cultivation is to be preferred. The time of cutting is yet a debatable question, but good results are obtained when the stalks are cut when the seeds are in the early milk stage. Cutting and ensiling is done in the same manner and with the same machinery as corn, and there is no difficulty in cutting the crop when the sunflowers are sown at the proper rate of seeding and cut at the proper stage of maturity. At present there is but one variety of sunflowers grown for ensilage, namely the Giant Russian. This has given yields as high as 30 tons per acre, when grown under favorable conditions. The rate of sowing is about 8 to 10 pounds per acre."

Being very rich in oil, the seed is one of the most nutritious poultry foods, and a natural tonic and egg-producer.

For moulting hens it is unequalled, as it keeps them healthy and active, and they soon regain a bright, lustrous plumage and a normal yield of eggs. Lb., postpaid, 30c; by express or freight, lb., 20c; 10 lbs., \$1.50. Write for quantity price.

Lathyrus

Sylvestris

(Gesse de Bois)

A hardy leguminous fodder plant, the seed of which is grown for us many miles north of Ottawa. Very hardy, and withstands severest winters, while its deep root enables it to thrive in the driest seasons without check. Two heavy crops may be cut each season. One seeding sufficient for many years. Sow 10 to 15 pounds per acre. Per pkt., 10c; lb. 90c, postpaid, or by express, at purchaser's expense, lb. 75c; 10 lbs. \$7.00.

Kaffir Corn

One of the best varieties of the Sorghum making excellent fodder whether in green or dry state. Weather conditions seem to have little effect on it, as it grows right along whether dry or wet. Plants grow straight and upright until six feet high and being very strong they seldom blow down. The stems produce numerous wide leaves and do not harden like other fodder crops but keep green, brittle and juicy. The grain is highly valuable as poultry food. Price, per lb., postpaid, 30c; by freight or express, at purchaser's expense, 20 lbs. \$2.50. Write for quantity price



Millet



Sorghum or Early Amber Sugar Cane

Seed Corn Fr.— Ble-D'Inde

THOROUGHbred STRAINS

CORN is such an important crop that the grower can ill afford to take chances on his seed. This of course applies to everything that the farmer plants, but the difference in corn that is generally sold for seed and corn that has been bred and selected for seed will make a difference of 25 to 100 per cent. in the size of the crop. Good seed like McDonald's Tested Strains cost but little more and the results are enormously greater.

For latest quotations on seed corn ask for McDonald's Red Figure Price List.

White Cap Yellow Dent

Extensively grown and considered by many to be one of the most dependable yielders. While on good rich land the yield will be proportionately greater, it adapts itself in a remarkable way to thin or light soils, and will thrive and produce a good crop where other sorts would be almost sure to fail. It is of vigorous growth and produces an abundance of fodder besides a good yield of medium sized ears. In the ear the grain is almost white but when shelled it is an amber yellow. Under favorable conditions of growth it will mature in from 90 to 100 days. Write for Prices.

Clark's Smoky Dent

On account of its extreme earliness, hardiness, and suitability for planting in northern sections, "Smoky Dent" was chosen by C. S. Clark, the noted corn breeder, some years ago, as a corn worthy of improvement. Since that time it has been developed and improved year after year and bred-up to the highest standard of this type, which has resulted in a corn that will now mature its crop in from 75 to 80 days. The stalks average about 8 feet, and frequently carry two ears measuring from 8 to 10 inches. Write for Prices.

Wisconsin No. 7

The earliest of all white dents, and remarkable for its large yields, surpassing all other varieties of white corn. It was introduced by the Agricultural College of Wisconsin some six or seven years ago, and has since found its way into all corn producing section of Ontario with gratifying results. The root system is strong and well developed; stalks close jointed and producing foliage well to the ground; ears, uniform in shape and size. There is an increasing demand for Wisconsin No. 7, and it is a sort you can plant for fodder or silo use without any fear of disappointment. Write for Prices.

Pride of Nishna

While this is a variety of corn with which we have never been very favorably impressed, a demand has been created for it, due largely to Houses in the United States advertising, and offering it through travelling salesmen. For this reason, we are offering it for the first time. Pride of Nishna will produce heavy tonnage, but not of a quality to make it an A-1 silo-filler. It will, however, be found a desirable fodder crop, particularly where bulk of feed is the chief consideration. Matures in about 110 days. Write for price.



Seeds That Grow Good Crops.

Evergreen Sweet Fodder

This is the sweetest and most palatable of all corns for forage. It is richer, more tender and contains a larger percentage of saccharine matter than any of the other varieties. If you have never grown Evergreen Sweet Fodder, try it for once. We believe when you once know its desirable quality, you will continue its use. Write for Prices.

MAMMOTH SOUTHERN SWEET or PARAGON WHITE.—Is always in demand owing to its ability to yield enormous crops of remarkably sweet and nutritious fodder, particularly good for feeding in its green state. Write for Prices.

LEAMING FODDER.—Extensively used for green and dry fodder, but too late in maturing to produce a sufficiency of cobs to make it equal to Improved Leaming for silo purposes. Write for Prices.

RED COB SELECTED.—An old-time favorite with large close-jointed stalks, producing an abundance of fodder, which is sweet, tender, juicy and much liked for either green or dry feed. Write for Prices.

Flint Varieties

Flint Corn is always in good demand, particularly for sections where the season is too short to mature many of the dent varieties. The different types vary somewhat in earliness and yield but all seem to possess the ability to mature a good crop of corn.

LONGFELLOW (95 days).—This is without doubt the most popular of the flint sorts. It is 8-rowed of the Canada type and very early; stalks grow from 8 to 9 feet; ears from 10 to 12 inches and well filled with large, broad glossy-yellow kernels. A splendid corn in every respect. Write for Prices.

COMPTON'S EARLY.—Very similar to Longfellow in growth and maturity but instead of eight rows there are twelve rows on the cob. Write for Prices.

ANGEL OF MIDNIGHT.—An extra early, eight rowed yellow Flint Corn. Ears are long, straight and evenly filled

from butt to tip with rich, golden-yellow kernels of medium size. Write for Prices.

IMPROVED KING PHILIP—Extremely early and unusually hardy, and one which can be relied upon to produce a good crop. The stalks grow from 7 to 8 feet; ears 8-rowed and the kernels a deep glossy-red in color. Write for Prices.

SANFORD WHITE FLINT.—Not only does this corn produce a large crop of fodder but also a generous yield of long handsome ears, measuring from 12 to 15 inches. Plant is of strong, vigorous growth, and the stalks and leaves of most desirable ensilage quality. Write for Prices.

NORTH DAKOTA WHITE FLINT.—A valuable sort, and highly esteemed by many growers because of the leafy character of the close jointed stalks. Ears are of large size; kernels broad, and the grain of a dusky white color. Yields enormous crops. Write for Prices.



Proper Selection and Breeding will show itself in the crops.



Harvesting a Field of McDonald's Improved Special Leaming

McDonald's Improved Special Leaming

CORN, to mature properly, must be adapted to the section where grown. Many years of skilful selection, breeding, and development, stand behind the following prize winning varieties, both of which are thoroughly acclimatized, and will give the greatest degree of satisfaction to the man who values silage of the highest food content:—

Improved Special Leaming

A Quality Silo Filler.

This corn has been a winner of many premiums, having received special recognition on numerous occasions, in field competition. It will produce more valuable material for the Silo, than any other variety. The heavy stalks,—attaining to a height of about 12 feet,—with broad blades, and large ears, give comfortable assurance of a heavy tonnage for the Silo. McDonald's Improved Special Leaming will easily yield 25% more silage than any other variety. For dairy districts, it is certainly unsurpassed, and in all respects, an ideal corn for silage requirements.

Our seed of this variety, is of particularly choice quality,—the kind that will assure an even and perfect stand in the field. Seed Corn of this description, costs more, but it's always worth a small advance considering the more satisfactory return from the crop. Price, per bushel, \$2.25; 4 bushels and upwards, \$2.10 per bushel.



Improved Golden Glow

An Acquisition of Real Merit.

We are pleased to offer the new and very remarkable strain of this variety, now known as "Cold Resistant." This corn is not only extremely early, but also possesses ability to survive conditions of weather which would mean absolute failure to other dents in corn producing sections of Ontario and Quebec. In fact, this valuable strain is adapted to planting in sections of country farther north than it has thus far been possible to raise crops of silage corn.

Cold Resistant Golden Glow will produce its crop in from 90 to 95 days. It is an immense yielder of broad, juicy leaved stalks, also an abundance of ears, together possessing great fodder and silage value.

While you have our assurance that you can plant this corn with every confidence, if you plant **Cold Resistant Golden Glow** for crop of 1923, you will become sufficiently enthusiastic as to its intrinsic value, to increase your plantings for 1924. Price, per bushel, \$2.25; 3 bus. and upwards, \$2.10, per bus.

Corvusine D. G. Seed Protection

Try Corvusine Dressing on your seed corn this Spring, and note how it saves and increases the crop. "CORVUSINE" protects the seed from birds and vermin—preserves the seed in cold, damp weather—helps the seed to germinate—and insures sound, vigorous growth. No. 1 size, can, sufficient for from 12 to 16 bushels Seed Grain or 16 bushels Corn, \$2.25; No. 2 size, sufficient for from 30 to 40 bushels Seed Grain or 40 bushels Corn, \$4.50.

Seed Grains

Victory Oats

Victory is a stiff-strawed oat of medium height and remarkable yielding qualities. Spikelets are usually two kernelled, of medium size, and glumes relatively small and short. Shoots are abundant and the development in the field strikingly regular. Yield highest of all white oats. Grain of medium size, short, plump, and beardless or very slightly bearded. Does best on clayey and humid soils. Our stock is Canadian grown and thoroughly acclimatized. Write for Prices.

Improved 20th Century Oats

The earliest white oat in general cultivation. Grains are plump, solid, heavily meated and covered with a thin hull, which makes it the very best for feeding or commercial purposes. Like American Banner, it adapts itself to a diversity of soils. Straw stiff, strong, and not inclined to rust or smut. Root system is well developed, making plants hardy and most capable of resisting drought. Our supply weighs 45 lbs. to the measured bushel. Write for Price.

Spring Wheat

MARQUIS.—Valuable on account of its extreme earliness and ability to outyield other varieties. Compared with Red Fife, berries are shorter, plumper, more deeply creased and colored; desirable for miller's use. Also from a week to ten days earlier, and shows average increase in yield of five to ten bushels per acre. Heads of same beardless character; straw strong, excellent, and not inclined to lodge, rust or smut. Some record yields stand to its credit. Write for Price.

DR. SAUNDERS' EARLY RED FIFE
Selected and developed by Dr. C. E. Saunders, late, Dominion Cerealists. From a week to ten days earlier than the ordinary Red Fife. The kernels are of same shape as the standard Red Fife but larger in size. Our supply is of particularly nice quality. Write for price.

RED FIFE (Bald).—Prized for its excellent milling qualities. Write for Price.

WILD GOOSE (Bearded).—Possesses very little flour substance, and is of no value for milling. Merit lies in heavy yielding ability and desirability for feed and the making of macaroni. Write for Price.

Leader Oats

This is a wonderful variety. It is medium early with a thick heavy side head with extra large, white plump grains. The straw is tall, a bit coarse. Its big advantage is its ability to give record crops when the season is favorable and to produce a big yield per acre under unfavorable conditions. Ordinary and standard varieties of oats yield from 30 to 65 grains per head. Leader yields from 60 to 150 per head. Write for price.

ALSASMAN OATS.—In habit of growth, maturity, and general appearance is similar to Banner. Yields have been unusually heavy. Heads are large and borne on a good strong straw. The berry is plump, heavy, and bright, making it a very attractive grain. No better oat for market and general feeding. Write for price.

At date of printing this catalogue, there exists a good deal of uncertainty as to prices of Seed Grain. Ask for our Special Red Figure Price List before ordering.

Barley

O. A. C. No. 21.—Has already superseded all varieties of six-rowed barley, being earlier, more vigorous, larger in yield. Straw strong, stiff, and seldom lodges. Heads long and well filled; grain plump and of best quality. Write for Price.

MANDSCHEURI.—One of the most productive of the six-rowed sorts; strong root formation and large, stiff straw. Write for Price.

CANADIAN SIX-ROWED.—Old-time six-rowed Barley. Extensively grown, but not recommended in comparison with the first-named sorts. Write for Price.

DUCKBILL.—Two-Rowed. —Matures later than six-rowed varieties, and for this reason is in demand for sowing with oats and other grain. Owing to large and plump appearance commands higher price for malting purposes. Write for Price.

IMPROVED BLACK HULLESS.—An immense cropper, yielding more weight per acre than any of the white seeded varieties. Highly recommended for grinding and for feeding hogs. Grain is black and resembles the two-rowed in shape and size. Write for Prices.

Buckwheat

SILVER HULL.—Has a small, plum, silvery-gray grain with thin hull. Makes whiter more nutritious flour than common gray or black variety, continues to bloom longer and produces larger crop. Fine for honey bees. Write for Price.

Gold Rain Oats

A very early and extremely productive oat. The grain though relatively small, is broad, very full, and has a remarkably thin hull of a light yellow in color. The straw is not only sufficiently strong to withstand roughest weather, but is also of very fine quality, making it one of the best for feeding. "Gold Rain" is in no way exacting as to soil. In fact, it has the highest record of any oat in cultivation on light or poor oat-lands.

American Banner Oats

American Banner is a favorite with many growers and has always given excellent satisfaction both as to yield and quality of grain. A feature is its adaptability to a wider range of soils than almost any other oat. Grain is heavy and of fine feeding quality; straw strong and stiff and not inclined to lodge or fall down. Write for Price.

O. A. C. No. 72 Oats

O. A. C. No. 72.—A very desirable white oat of the Banner type, and which has made some remarkable yields in different sections of this country. It has the thinnest hull of any oat on our list which increases the feeding quality very much. At the Ontario Agricultural College it has averaged a yield of 90 bushels per acre. The stiff straw is free from rust, and stands up well. Write for Price.

Field Beans

WHITE PEA.—A popular sort, extensively grown; none more desirable for cooking and baking. Write for Price.

MEDIUM WHITE or NAVY.—Standard white, medium sort; well known everywhere. Write for Price.

Field Peas

THE ARTHUR PEA.—A new pea originated by Dr. Saunders, of Central Experimental Farm, Ottawa. Seed of medium size, white, height of straw about 4 feet, earliest of all field peas and one of the heaviest yielding. Write for Price.

GOLDEN VINE.—Has been more generally grown than any other for years past. It is early, of vigorous growth and highly productive. Vines from 3½ to 4 feet. Write for Price.

Spring Rye

Quite distinct from Winter Rye and greatly valued by many. Matures a crop in 105 days; straw from 4½ to 5 feet; yield fully equal to Winter Rye. Sow 1½ bushels per acre. Write for Price.

High Grade Timothy

McDonald's Reliable Brands

Adopted for Your Protection

In sowing Grass and Clover Seeds you are making an investment from which you expect a profitable return for a number of years. Your profits will depend largely on the seeds you sow.



GRADE No. 1



GRADE No. 2
(No. 1 Purity)



GRADE No. 2

Always represents the highest grade it is possible for us to obtain in any one season. "Mount Brand" gives you the comfortable assurance of strong, hardy, productive plants.

In popular demand with the man who studies economy with crop-producing results. Many of the largest and most progressive farmers give preference to "Meadow." Average purity above 99½%. Contains practically no weed seeds. Slightly hulled and darker in color than "Mount"—otherwise would be of No. 1 grade.

Represents a choice seed of high purity and germination. Not equal to "Meadow" in general quality, and therefore permitting of a lower price.

Timothy

Timothy is undoubtedly the outstanding hay crop of Canada, and is probably unequalled by any of the other grasses for feeding to horses and other farm stock. As a crop, it is easily established. The seed is inexpensive to sow. It starts quickly, and yields its best crop the year after it is sown. It stands up well, is easily cured, and is heavy for its bulk, for which reason it has proven the most profitable hay crop when grown for the market. The yield on good land frequently runs from 1½ to 3 tons to the acre.

Timothy should always be sown with Red or Alsike Clover, or a combination of both, which will furnish a heavier crop of a more superior quality of hay than Timothy alone, even for horses. Grown together, the hay of the first season will consist largely of Clover; with the close of the second season, most of the Clover disappears, and the decaying Clover roots will nourish the Timothy which remains, so that a much larger yield of Timothy will result. Sow 10 lbs. of Timothy, with from 6 to 8 lbs. Red Clover, and 1 lb. Alsike. Price variable. Write for Red Figure Price List.

Red Top

On land that is too wet for Timothy, Red Top is decidedly the best substitute for that grass. It will thrive even on land that is too wet for cultivation. As a pasture grass it is particularly desirable, making a good sod, and bears cropping and tramping well. Red Top is a good variety to sow with Timothy and Clover for meadow or pasture, and is more permanent than either of the other two. On good soil, it grows about 2 feet high—on poor or gravelly land, about half that height. If to be used for hay, it should be cut when in full flower. It is more easily cured than almost any of the other grasses, and frequently yields from one to 2 tons per acre. Red Top increases in thickness for several years after sowing. 12 to 15 lbs. of cleaned seed is about the right quantity to sow per acre. Price variable. Write for Price List.

Red Top



High Grade Timothy

Red Clover

Undoubtedly the most valuable of the Clover family—sometimes called "June" Clover. Not only furnishes most excellent pasturage and fine hay crops, but it improves the land and adds humus to the soil wherever sown. It makes two crops each year—the first is usually cut when it is in bloom, for hay; the second crop may be harvested for seed, cut for hay, or plowed under to add fertility to the soil. It has been proven many times over, that crops following a growth of Red Clover, are larger and of better quality. It never exhausts, but enriches the soil. Clover should be rotated with grain crops every three to five years. Sow 10 to 12 lbs. per acre.

WHITE DUTCH CLOVER.—A small spreading perennial, found in most good pastures. Too small to grow for hay, but invaluable in pasture and lawn mixtures. Write for prices.

Mammoth Late Red Clover

Similar to Red Clover in habit of growth, the difference being that it usually grows larger and is late in maturing. It makes good hay if cut soon enough, although it has a coarser stem than the Red Clover. Being a rank grower, it is very valuable for fertilizing purposes. The foliage, flower, and stem are darker in color than that of the Red Clover, it ripens later, and makes only one crop. The appearance of the seed is identical with the Red Clover which makes it impossible to distinguish any difference. Our supply comes from reliable sources, but in this, as in all other seeds, we give no warranty, but use every reasonable care to supply Mammoth or Late Red when ordered. Sow 8 to 10 lbs. per acre.

Alfalfa

A CROP THAT PAYS—AND PAYS BIG.

Once established it lasts for years. It takes the earth, air, moisture, and sunshine, and transmutes them into nourishing forage and feed. Yields two to three cuttings of nutritious and palatable hay each season. Feeding value, unusually high—11 lbs. is worth as much for feeding purposes as 10 lbs. of Bran. Does not exhaust the soil, but enriches it. It prospers beneath the surface of the earth, and brings her hidden treasures to the light of day. Claimed to add twice as much nitrogen to the land as Red Clover. When once established, requires but little care and attention. One of the farmers' most profitable crops.

Alfalfa is the Queen of Fodder Crops

Alfalfa is undeniably the Queen of fodder crops. The farmer, the stock-raiser, and the dairyman, should all find an interest in this wonderful plant. The farmer should grow it because it enables him to keep more stock and more stock means keeping up the fertility of the soil with bigger and better crops.

The dairyman should grow it for no other crop will maintain the milk flow better than Alfalfa. Drought, heat, or cold will not kill it when well established. Any well-drained land that will give a good catch of clover will grow Alfalfa.

There is no mystery about its culture. Get the soil in good garden condition by deep plowing, rolling, and discing. Most soils will grow Alfalfa without inoculation, but if bacteria is necessary, it can be supplied by spreading soil from a well established Alfalfa or Sweet Clover field at the rate of from 300 to 400 lbs. per acre. Commercial cultures of bacteria are also

very successful. In this section of Canada, Alfalfa is usually sown in the Spring, usually sown alone. Alfalfa is usually sown alone, but sometimes a nurse crop is advisable. For this purpose, Barley, Wheat, or Rye are better than Oats. Oats require more moisture, and give too much shade. Do not sow Alfalfa seed with the grain, but each separately. Reduce from one-third to one-half the regular rate of grain seeding when using it for a nurse crop.

We offer Alfalfa seed in our well-known brands, viz., Mount, grade No. 1, and Meadow, grade No. 2. Both grades are produced in northerly sections. For prices on different grades, please write for copy of our Red Figure Price List.

GRIMM ALFALFA.—Famous the world over as the hardiest strain of Alfalfa in cultivation. Has stood the severest of winters year after year without being winter-killed. The principal difference between Grimm and ordinary Alfalfa is in the root growth, Grimm having a spreading or branching root with many laterals, while the ordinary Alfalfa has a long tap root, but with few laterals. This branching root growth gives the plants a firm hold on the soil, and prevents them from being heaved out of the ground by frequent freezes and thaws.

Sweet Clover

Sweet Clover will thrive under conditions where Red Clover and Alfalfa will not grow. In fact it will flourish on all classes of soil and will inoculate the soil, and leave it in a perfectly fertile condition.

Sweet Clover is one of the first forage plants to afford green feed in the Spring and one of the last killed by frost. It will be found useful for pasture, forage, ensilage, for bees, and for turning under to improve the land. Sweet Clover grows very rapidly and when kept eaten down reasonably close to the ground, the plants throw out fresh growth on all sides, thus furnishing an abundant supply of palatable food which is greedily eaten when the stock have once acquired its taste.

As Sweet Clover is a biennial, it lives but two years unless the seed crop at the end of the second year is allowed to form and scatter. Sow 15 lbs per acre.

Price per lb., postpaid, 35c; 10 lbs. by express or freight at purchaser's expense, \$1.80. Write for quantity price.

Alsike Clover

ALSIKE CLOVER (*Trifolium Hybridum*).—Alsike is the hardiest of the Clovers, and does not winter-kill. It grows thicker, and is finer stemmed than Red Clover, has plenty of leaf, and makes better hay, and more and better grazing. It will do better on moist land than any other variety. Frequently sown in combination with Red Clover and Timothy, and thus produces an excellent quality of hay. Sow 6 to 8 lbs. per acre.

CENTRAL EXPERIMENTAL FARM, OTTAWA.

From a 40-acre field, season 1921, a yield of 5-tons per acre was secured from the following mixture:

Red Clover.....	10 lbs.
Alsike	2 "
Timothy	6 "
Alfalfa	6 "

Per acre 24 "

The above crop of 5-tons was taken from three cuttings. Average yield for 10 years—3.37 tons per acre.



Red Clover

Agricultural Grasses

The following Grasses are those in most general demand, although we can supply many varieties not included in this list. We are always pleased to suggest mixtures or combinations for pasture or meadows, suited to any class of soil or location, when full particulars are given.

In comparing prices, we would like to remind customers that we have never been able to figure any advantage in supplying anything but extra fancy qualities. Prices have therefore been figured on this basis. At date of issue, future values are really too uncertain to figure prices several months in advance. We therefore invite correspondence particularly when important quantities are desired. Except where noted, prices are all based delivery ex-warehouse, Ottawa; shipment going forward at purchaser's expense for cost of carriage. Cotton Bags are extra at 40c each.

BROMUS INERMIS (Awnless Brome Grass).—Stands long droughts and produces heavy crops of good hay in dry sections where other grasses would perish. One of the hardiest grasses, affording early and abundant pasturage, resisting intense cold and extremely dry weather. Weight, 20 lbs. per bushel; sow 20 lbs. per acre. Price, lb. 30c; 100 lbs. \$25.00.

CANADIAN BLUE GRASS (*Poa Compressa*).—One of the most vigorous grasses in cultivation, distinguished from Kentucky Blue Grass by its flattened, wiry stems and decidedly bluer color. Makes fine pasturage for grazing cattle. Although the hay is short it is heavy and rich, shrinking less in drying than most other grasses. Does remarkably well on dry, sandy and thin soil. Weight, 14 lbs. per bushel; sow 30 lbs. per acre. Price, lb. 30c; 100 lbs., \$25.00.

CREeping BENT (*Agrostis Stolonifera*).—A luxuriant grass of rapid growth and spreading habit, forming a strong durable turf of fine texture which makes it valuable for lawns and putting greens. Desirable in pasture mixtures and for sowing on moist lands. Weight, 20 lbs. per bushel; sow 40 lbs. per acre. Price, lb. 75c; 100 lbs., \$70.00.

CRESTED DOGSTAIL (*Cynosurus Cristatus*).—Does best on rich, moist land but can accommodate itself to almost any soil. Forms a smooth, compact and lasting turf which makes it desirable for lawns; color the same as Kentucky Blue Grass. Should be used only in mixture with other grasses. Weight, 22 lbs. per bushel. Price, lb. 50c; 100 lbs., \$45.00.

ENGLISH or PERENNIAL RYE (*Lolium Perenne*).—A rapid growing variety, producing a strong verdant growth in from four to five weeks after sowing. Adapts itself to a diversity of soils. Valuable in mixture with other grasses. Weight 24 lbs. per bushel; sow from 40 to 50 lbs. per acre. Price, lb. 20c; 100 lbs., \$15.

MEADOW FESCUE (*Festuca Pratensis*).—Also known as English Blue Grass. Recommended for use in permanent meadows and pasture mixtures. Prefers clays and other heavy soils and does extra well on wet or moist lands. It is one of the earliest grasses, and is sweet, tender, nutritious and well liked, by all stock, never growing coarse or hard, and therefore is eaten without waste. Weight 24 lbs. per bushel. Sow 25 lbs. per acre. Price, lb. 25c; 100 lbs., \$20.00.

RED TOP (*Agrostis Vulgaris*).—A valuable permanent grass, succeeding in almost any soil, but particularly suited to moist soils and low lands, where it reaches highest state of perfection. Makes good pasture when fed close, and is not affected by tramping; also desirable for use on lawns. Fancy Solid Seed. Weight, 36 lbs. to the measured bushel. Sow 20 lbs. per acre. Price, lb. 35c; 100 lbs., \$30.00.

TALL MEADOW OAT GRASS (*Avena Elatior*).—A hardy grass of thick growth; particularly suited to rich soils and clay formations, also makes excellent hay on sandy loams, but should be cut when in bloom. Valuable for pasture on account of its early luxuriant growth, which is of fine substance and relished by all cattle. Sow 40 lbs per acre. Price lb. 50c; 100 lbs., \$45.00.

WOOD MEADOW (*Poa Nemoralis*).—Adapted to shady situations in lawns and woodland parks where other grasses will not grow. One of the first grasses in spring and makes a rich green growth. Permanent and hardy, resisting extremes of heat and cold. Sow 25 lbs. per acre. Price, lb. \$1.00.

ORCHARD GRASS (*Dactylis Glomerata*).—One of the most valuable and widely known of pasture grasses, coming earlier in the spring and remaining later in the autumn than others. It blooms earlier than Timothy and about the same time as common Red Clover. Yields the same amount of hay as Timothy, and if cut at the right period is nearly equal in feeding value. Weight, 14 lbs. per bush. Sow 30 lbs. per acre. Price, lb. 30c; 100 lbs., \$25.00.



KENTUCKY BLUE GRASS (*Poa Pratensis*).—A true perennial grass widely distributed throughout Canada and the United States. Frequently called "June Grass," owing to its blooming in that month. One of the best pasture or lawn grasses, forming a thick permanent growth of short-bladed turf, which is hardy, durable, and little affected by weather conditions or constant tramping after once well established. Usually advisable to sow in combination with other grasses. Weight, 14 lbs. per bushel. Sow 40 lbs. per acre. Price, lb. 45c; 100 lbs., \$40.00.

HARD FESCUE, (*Festuca Duriuscula*).—A slender, densely tufted perennial grass with narrow blades and still finer bottom leaves. Recommended for pasture on lands too dry, light or gravelly for other grasses. Possesses some value for use on lawns. Does well in shady places. Weight, 12 lbs. per bush. Sow 30 lbs. per acre. Price, lb., 50c; 100 lbs., \$45.00.

RED OR CREEPING FESCUE, (*Festuca Rubra*).—Makes a fine, thick durable turf that will withstand wear and tear and resist extremes of heat and cold; thrives on all classes of soils, poor or dry, gravelly banks and exposed hillsides. Recommended for poor lands intended for grazing; does well in shady places. Makes a good lawn and is particularly recommended for putting greens on golf courses. Weight, 14 lbs. per bush. Sow 30 lbs. per acre. Price, lb., 70c; 100 lbs., \$65.00.

10-lbs. and upwards supplied at 100 lb. price.

Prices on all Grasses subject to change without notice.



Farm & Garden Books

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Garden Guide



Practical Hints on Flower Culture

We have compiled the following lists as a convenient help in the selection of flower seeds for different locations and purposes. These varieties are all listed in the following pages and can be readily found as the number of the page is given here.

GARDEN ANNUALS AND OTHER PLANTS THAT BLOOM THE FIRST SEASON FROM SEED.

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These cultural directions are necessarily brief owing to the limited space at our disposal. However, most of our seed packets have complete directions printed on them and we also have cultural leaflets on Asters, Pansies, Sweet Peas, Annuals from Seed and Hardy Perennials which we send free with orders for such if asked for on orders.

Many of the best annuals, such as Poppies, Mignonette, Alyssum, Sweet Peas, Candytuft, Larkspur, Sunflower, Portulaca, Morning Glory, Centaurea, etc., need not be transplanted, and the seeds of such should, therefore, be sown direct in the soil where the plants are wanted—a border or bed well dug, liberally enriched with well rotted manure, and neatly finished off by giving it the desired form and an even surface with a good garden rake will prove most suitable.

Most varieties are small seeded, and these are sown on the surface of the bed, after which the seed should be pressed gently into the loose soil and only very lightly covered by again levelling the surface. Many of the failures with flower seeds are caused by covering the seeds too deep, so care must be exercised in this regard as the very fine seeds of many varieties cannot possibly germinate if covered too heavily. However, Sunflowers, Sweet Peas, Morning Glory and a few others, must be planted somewhat deeper; Sweet Peas 2 or 3 inches deep. Although seeds must not be sown too thickly, yet a reasonable allowance should be made, when sowing the smaller seeds, for possible failure of germination. If produced too thickly, a thinning out will be necessary when plants have attained a height of an inch or so.

HARDY PERENNIALS.

These flower the second year from seed and thereafter and are suitable for massing in permanent borders.

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A great number of annuals—and among those some of the choicest—will do better if planted out into permanent borders when several inches high. The seed of these are started quite early, either in hot-bed or greenhouse, or in a warm situation in a dwelling house. In the latter case, they are sown into shallow boxes or in flower-pots. By keeping the soil warm and moist they will readily germinate. The little plants when up must have a place in some window, close to the glass. If deprived of light and air, a spindling growth and possibly worthless plants will be the outcome. Later in the spring such boxes can be taken outside, and in a well-sheltered situation the plants will soon attain the right size for planting.

In planting out, the best work is done in the evening or on cloudy days. In very dry weather the plants should be watered right after being set out. Most varieties may be handled with safety at any time, providing plants have not been growing too closely in the boxes or seed-bed. In such a case it is a good plan to thin out or transplant at distances of an inch or more into other boxes or frames when still very small. Such plants, if taken out with care, with soil adhering well to the roots, will not mind a transplanting into the garden later on.

ANNUALS are plants that bloom the first year from seed, and die after one season.

BIENNIALS bloom the second year from seed and then die, though many if sown early in the spring, will flower the first year.

PERENNIALS bloom the second year from seed and the plant lives and blooms during successive years. Many varieties will bloom the first year if started early in hot-bed or window boxes.

EDGING PLANTS FROM SEED

Suitable for borders and edgings for beds and walks. Those marked H.P. are hardy perennials.

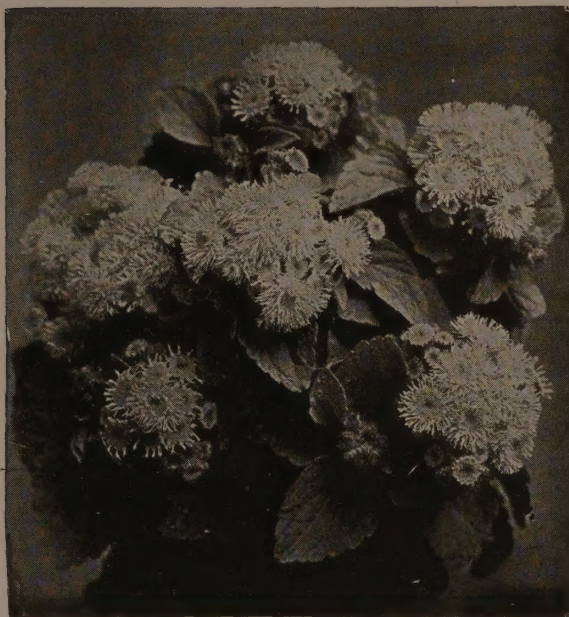
Alyssum46	Marigold (Dwarf
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glove)53	Schizanthus64
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McDonald's Flower Seeds



Ageratum Mauve Beauty

Abronia Sand Verbena

Beautiful little trailing rock plants with clusters of fragrant verberna-like flowers.
5. **UMBELLATA**.—Flowers rosy pink with white centre. Six inches. Seeds in husk which should be removed before planting. Pkt. 10c.

Abutilon Flowering Maple

Desirable plants for house culture in winter, bearing handsome, bell-shaped flowers in shades of pink, scarlet, white, yellow and orange. They can be started indoors, and planted out when danger of frost is past. Cuttings are easily grown in pots for flowering indoors during the winter.

10. **MIXED NEW HYBRIDS**.—Carefully hybridized seed, saved from a splendid collection. Pkt. 20c.

Ageratum Floss Flower

Effective annuals of dwarf habit, flowering freely all season from Spring sown seed. They are easily grown, bloom quickly and are useful for bedding, edging and window boxes.

35. **MAUVE BEAUTY**.—A fine, new variety, having large, mauve flowers. Plants dwarf and compact in growth and very free-flowering. 6 inches. Pkt. 15c.
40. **MEXICANUM**.—Beautiful soft lavender-blue of free branching habit. Blooms profusely. 18 inches. Pkt. 10c.

45. **BLUE PERFECTION**.—The darkest colored of all large-flowering Ageratums grown from seed. Color is a deep, amethyst-blue. Plants of compact habit; fine for edgings or bedding. Pkt. 10c.

Achillea Milfoil or Yarrow

One of the most desirable hardy plants for the perennial border on account of its graceful habit of growth, its effective blooming and its prolonged flowering season, extending through the entire mid-summer and often late into the fall.

15. **THE PEARL**.—The freest flowering variety growing 2 feet high with heads of pure white, double flowers. Good for cut bloom. Pkt. 10c.

Acroclinium

Everlasting

One of the finest of the everlasting flowers, which when cut in the bud state can be dried and used in winter bouquets.

25. **Mixed**.—Rose, pink, and white flowers in August and September; does well in light garden soil. Annual. 2 feet. Pkt. 10c.

Alyssum Mad Wort

Beautiful, dwarf, free-flowering plants, suitable for rockwork, edgings and clumps in flower beds. Does well in any soil or situation and blooms profusely all summer.

65. **LILAC QUEEN**.—This new annual Alyssum has been greatly improved in both color and habit. It is a definite lilac shade, deep enough to contrast well with the white sorts. Very dwarf and compact in growth. Pkt. 15c.

70. **LITTLE DORRIT**.—This is our most popular strain of white Alyssum and for edging work or beds we believe it to be the best as it grows so compactly and forms a perfect little bush of white bloom. Annual. 6 inches. Pkt. 10c.

75. **LITTLE GEM**.—Dwarf, compact and completely covered with snow-white blossoms. It begins blooming when quite small, and flowers through summer till late in the fall. Annual. 6 inches. Pkt. 10c.

80. **MARITIMUM** (Sweet Alyssum).—Very free blooming variety that does well anywhere. Small, white fragrant flowers. Annual. 6 to 9 inches. Pkt. 10c.

85. **SAXATILE COMPACTUM**.—A valuable perennial sort with beautiful silvery-gray foliage and golden-yellow flowers, blooming in May and June. The plant makes a regular carpet and never exceeds one foot in height. Useful for rockwork and places where trees later in the season, give too much shade. Pkt. 15c.

Ammobium

90. **ALATUM GRANDIFLORUM**.—Hardy annual everlasting flowers of erect habit. 3 feet. Prefers sandy soil. Pure white. Pkt. 10c.

Agrostemma

Rose Campion

A favorite herbaceous plant for perennial borders.

50. **CORONARIA**.—A very pretty species with lovely rose flowers. Free-flowering and hardy. Perennial. 18 inches. Pkt. 10c.

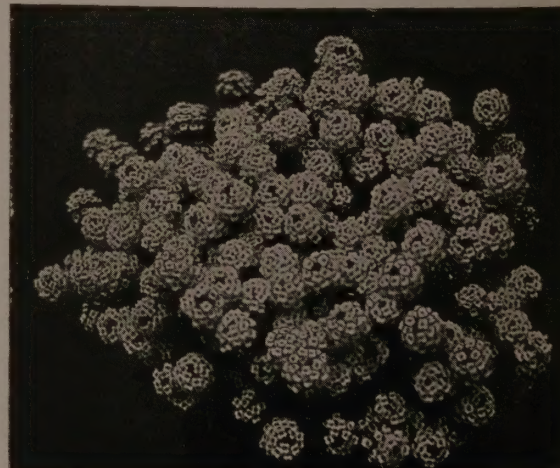
Anchusa Alkanet

The newer forms of Anchusa are wonderful improvements on the old types. They bloom profusely over a long season and provide one of the most beautiful blues in nature. They certainly deserve to be more extensively grown.

95. **DROP MORE VARIETY**.—Magnificent hardy plant of graceful, pyramidal form, growing 5 feet high. The lovely gentian-blue flowers are borne on graceful stems and are splendid for cut bloom. Blooms through June and July and if the flower-spikes are cut back as soon as the flowers fade, several smaller spikes will appear in August and will last till frost. Pkt. 15c.

Arabis Rock Cress

The earliest perennial to bloom, the dainty Arabis, spreads itself like a white carpet over rockeries and edgings.
150. **ALPINA**.—Grows only 6 inches high, and the pure white flowers afford an excellent contrast to most spring flowering plants. Where bulbs are used, a charming effect is obtained by the use of Tulip, Cottage Maid, or Emperor Daffodils rising through the Alyssum-like bloom. Pkt. 10c.



Alyssum "Little Dorrit"

Antirrhinum Snapdragon

One of the showiest flowers for cutting, bearing long spikes of gorgeously colored flowers. They are easily grown and bloom profusely the first season. Though true perennials, they are best treated as annuals. Seeds started indoors during February or March will flower in July and continue till frost.

100. MAJUS MIXED.—A splendid selection of the tall growing sorts from 2 to 3 feet. This mixture contains 30 of the choicest large flowered varieties. All colors mixed. Pkt. 10c.

105. TORCHLIGHT.—A splendid new Snapdragon of stately habit, throwing long and massive spikes which show off to perfection the brilliant hue of the flowers. A vivid orange with yellow centre slightly tinted with carmine. The general effect is a rich glow of color which illuminates the border, and will command attention wherever planted. Pkt. 20c.

Arctotis African Daisy

Easily grown and free blooming annuals from South Africa.

155. GRANDIS.—A handsome white Marguerite flower of great value for cutting. The flowers are 3 inches across, with light blue centre and bloom from early summer till frost. Pkt. 10c.

110. SEMI-DWARF MIXED.—This class grows only 12 to 15 inches high, and as the flower spikes are equally as large as the tall varieties, they are even more suitable for bedding. They are splendid for mass effects in the garden and continue blooming till late in the season. Many prefer these to the taller sorts as they require no staking. Pkt. 15c.

115. TOM THUMB MIXED.—Lovely dwarf sorts, growing 8 to 10 inches high. Many beautiful shades are represented in the mixture. Pkt. 10c.

120. VENUS.—A lovely shade of pink on a white ground, with pure white throats, making one of the most daintily beautiful Antirrhinums now offered. Flowers are very large and of finest form. 2 feet. Pkt. 15c.

Asparagus

Excellent house plants largely grown in hanging baskets. The fine foliage is useful for mixing in bouquets of cut flowers.

160. PLUMOSUS NANUS.—Graceful, fern-like, bright green foliage. Much admired for conservatory and general floral decoration. Pkt. 25c.

165. SPRENGERI.—A favorite plant for hanging baskets. Easily grown from seed. Pkt. 15c.



Aquilegia—Long-Spurred Hybrids

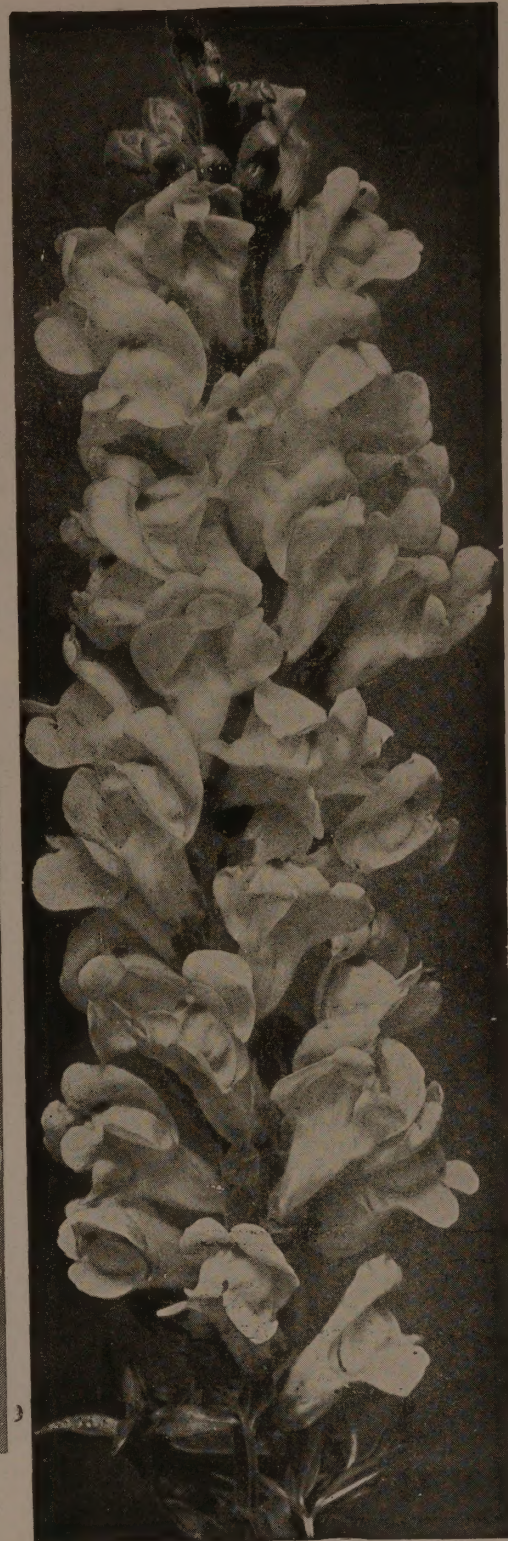
Aquilegia Columbine

Aquilegias are not particular as to soil or location though they prefer a moist but well-drained spot and are thoroughly at home in shady corners or rockeries. They are perfectly hardy and bloom all through May and June. The elegantly shaped blooms are daintily set on long stems, and are useful as cut flowers.

130. CHRYSANTHA.—Well known as the "Golden Spurred Columbine." Bright yellow with long spurs. 3 feet. Pkt. 15c.

140. LONG SPURRED HYBRIDS.—Many years of careful selection and hybridizing have produced this very fine strain of hardy Columbines. The large, beautifully-formed flowers vary in color through white, lavender, salmon, mauve to pink and yellow, with many interesting combinations. Extra fine mixture. Pkt. 15c.

145. DOUBLE MIXED.—A choice mixture of many varieties in dainty colorings. Pkt. 15c.



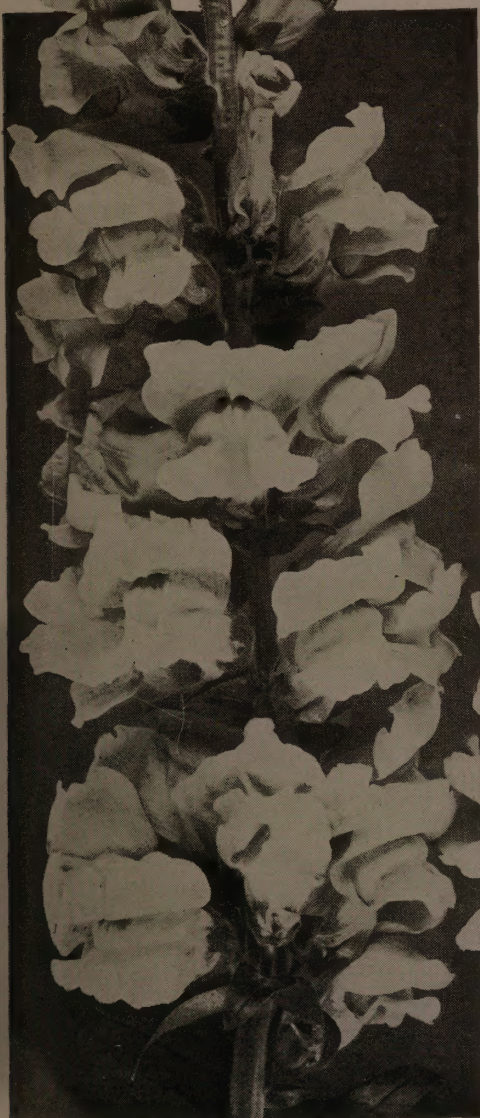
Antirrhinum, Venus

Aubrietia

Hardy perennial evergreen trailer of dense habit. It flowers very early in the spring, and the dwarf, cushion like growths when covered with their purple flower, makes one of the most charming plants in the hardy border.

340. GRAECA.—Very dwarf plants, growing only 3 inches high. Good for rockwork. Hardy perennial. Pkt. 10c.

Antirrhinums are rapidly taking a foremost place for bedding purposes. They are as easy to grow as Asters and splendid for cutting. Our semi-dwarf mixture is very suitable for this purpose.



Antirrhinum, Semi-dwarf



Ostrich Plume

235. VICK'S PINK ENCHANTRESS.—This variety is upright in habit as distinguished from the branching form. Leaves are broad, stems graceful and strong, supporting large, full, double, delicate pink blooms. The centre petals fold in regularly, while gradually, towards the outer edge, the petals stand out more and more, until those on the outside recede from the centre, thereby increasing the diameter of the flower. The general effect is indescribably soft and pleasing. Pkt. 15c.

245. CRIMSON KING.—This lovely new-type has a bloom quite distinct in form. The long narrow petals are folded lengthwise and appear almost as though quilled. The flower is a rich, brilliant crimson of great size and substance and has great lasting quality when cut. Pkt. 15c.

250. PURITY.—A very large and full Aster, borne on long stems. Color is a clear glistening white. An early bloomer and strong grower, flowering continuously till frost. Height, 15 inches. Pkt. 15c.

255. PEERLESS PINK.—A beautiful variety of the late branching type, but blooms somewhat earlier. Flowers are large, double and the color is the most charming shell-pink among Asters. Pkt. 15c.



Improved Victoria

McDonald's Select Asters

Asters have been a leading specialty with us for many years and our endeavors are concentrated on selecting the finest procurable strains for our customers. Our Aster seed is known from coast to coast, and each season brings new friends who come to us on the recommendation of others.

Asters are popular favorites wherever flowers are grown, and this is due to their many fine qualities. Their adaptability to all soils and situations, the ease with which they are raised, their freedom of bloom, and the size and lasting quality of the flowers, have gained for them a foremost place among garden favorites. They yield to house treatment and pot culture, and as producers of cut flowers they are unexcelled.

Giant Comet Asters

Our most popular class of Asters. A single plant will bear from 20 to 30 long stemmed flowers, measuring from 4 to 6 inches in diameter. The large flowers closely resemble the Japanese Chrysanthemum in size and form.

170.	GIANT COMET WHITE	Pkt. 10c
175.	GIANT COMET LIGHT YELLOW	Pkt. 10c
180.	GIANT COMET ROSE	Pkt. 10c
185.	GIANT COMET CRIMSON	Pkt. 10c
190.	GIANT COMET AZURE BLUE	Pkt. 10c
195.	GIANT COMET DARK BLUE	Pkt. 10c
200.	GIANT COMET MAUVE	Pkt. 10c

205...Collection containing one packet each of the seven colors. 60c.

215. GIANT COMET MIXED.—A splendid mixture containing many new shades in addition to the above. Pkt. 10c.

210. GIANT COMET GOLIATH MIXED.—This specialty mixture is the most successful strain of Giant Asters we have ever sent out. From all parts of the Dominion come glowing accounts of its splendid quality. It is an unusually good mixture saved from selected plants and contains a splendid assortment of fine, clear colors only. All colors mixed. Pkt. 20c.; 2 pkts. 35c.

Giant Crego Asters

In this class are united the elegant grace of the Comet type and the vigorous habit of the branching sorts. The flowers are of immense size, usually measuring from four to five inches in diameter and borne on stems a foot long or more. Flowers are borne in abundance from August till frost and last well when cut.

220. CREGO'S GIANT WHITE.—Pure white. Pkt. 15c.

225. CREGO'S GIANT PINK.—Beautiful light pink. Pkt. 15c.

230. CREGO'S GIANT PURPLE.—Lovely dark shade. Pkt. 15c.

260. DAYBREAK.—One of the most popular mid-season Asters. Flowers, delicate pink, very large and double. The flowers are produced abundantly on long stems and are full globe shaped with rather short petals which are often slightly folded. Pkt. 15c.



Aster—Giant Comet

265. PEONY FLOWERED PERFECTION.—This is one of the finest of the unquilled Asters, growing about 18 inches high, and bears large, finely formed, incurved blooms in greatest profusion. All colors mixed. Pkt. 10c.

295. OSTRICH PLUME MIXED.—A magnificent type with immense double, almost globular flower heads with long curled petals. The fine Chrysanthemum-like blooms are freely borne on long stems and are invaluable for cutting. All shades known among Asters are included in this splendid mixture. Pkt. 10c.

300. HEART OF FRANCE.—This fine new Aster opens red as the purest ruby, deepens with age, and retains its remarkable color to the very end. The petals appear strikingly changeable, showing now a glow, and sheen, quite unique, now a soft and warm velvety texture. "Heart of France" is startlingly beautiful and commands instant admiration in either natural or artificial light. Pkt. 20c.



Aster—Late Branching

Aster (Continued)

310. DWARF CHRYSANTHEMUM FLOWERED.—A fine, full, double, dwarf Aster, with flowers as large as the taller varieties. This strain is particularly suitable for bedding purposes and splendid for pots. Height 1 foot. All colors mixed. Pkt. 10c.

315. QUEEN OF THE MARKET.—The earliest flowering strain, coming in to bloom 3 weeks ahead of most other varieties. Plants grow 12 to 18 inches high and are splendid for cutting. Flowers are large, double, and begin to bloom while the plants are still quite small. Finest mixed. Pkt. 10c.

320. IMPROVED VICTORIA.—One of the most beautiful Asters in cultivation, plants bearing from 10 to 20 handsome reflexed flowers of the finest coloring. Very fine mixture. Pkt. 10c.

325. LATE BRANCHING.—Plants 18 inches high with large full-petalled blossoms. This is a special strain which our growers have greatly improved in recent years. Flowers are rich and showy and borne on long stems. All colors mixed. Pkt. 10c.

330. DOUBLE MIXED.—This mixture contains many varieties of the large flowering Asters. Plants tall and branching, growing 2 feet high. Flowers are double, large and fine for cutting. This strain is noted for its profusion of bloom and fine clear colors. Fine mixed. Pkt. 10c.

Bellis English Daisy

A useful perennial plant for edging and borders, as it blooms freely over a long season, and combines so effectively with Pansies or Forget-me-nots. It does well in shady places and blooms first year from seed if started early indoors and transplanted. Height 6 inches.

395. SNOWBALL.—Largest and best pure white strain of the English Daisy bearing multitudes of large flowers on good stems. Pkt. 10c.

400. GIANT DOUBLE MIXED.—A splendid mixture of the finest shades in the Giant Flowering section. Pkt. 10c.

Balsam

Easily grown annuals, producing gorgeous masses of beautiful, brilliantly colored, double flowers in great profusion. The flowers are of a delicate, waxy texture and include the most exquisite colors. This improved *Camellia* Flowered strain is a great advance and will be quite a revelation to those who know only the older varieties.

380. CAMELLIA FLOWERED MIXED.—A high-grade strain containing all the best shades. Easily grown from seed. The cut flowers can be used with charming effect floating in a dish of water. All colors mixed. Pkt. 10c.

Brachycome Swan River Daisy

Dainty little dwarf annuals, free-flowering and easy to grow. They are particularly useful for edgings or small beds, and produce their pretty blue flowers all summer. 9 inches.

405. LITTLE BLUE STAR.—The finest *Brachycome* yet introduced. The compact growing plants are literally covered with a profusion of bright blue, starry flowers. Pkt. 10c.

Our Giant
Double
Bellis will
please you.



Bellis

Calendula

Scotch Marigold

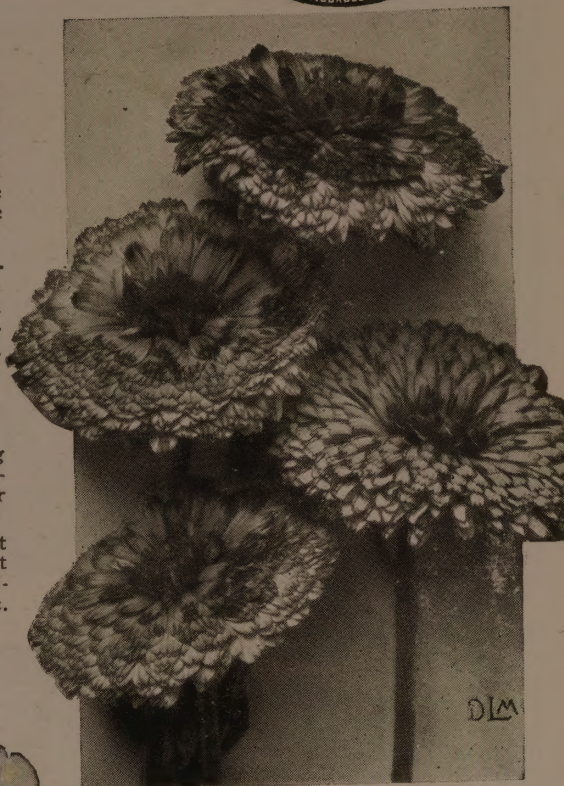
One of the easiest flowers to grow. It is a showy, hardy annual and blooms from June till November provided the flowers are not allowed to go to seed. A simple way to sow them is to plant three seeds together every 12 inches, and if all come up, remove the weaker ones, allowing only one in each place.

415. METEOR.—A beautiful double variety of the common or Scotch Marigold with orange flowers striped primrose. Very free bloomer and useful for cutting. Pkt. 10c.

430. SULPHUR QUEEN.—A very attractive sulphur-yellow variety of this useful annual. Pkt. 10c.

435. CHOICE MIXED.—A splendid mixture of many handsome varieties including gold, orange, lemon, yellow, and creamy-white. Splendid for cut flowers. Pkt. 10c.

All the Calendulas
are fine for cutting.



Calendula

Bartonia

Very showy, free-blooming plants with large, golden-yellow flowers.

385. AUREA.—Hardy annual of easy culture. One of the best plants for shady places or where the soil is peaty and moist. Height 18 inches. Pkt. 10c.

Calceolaria

Favorite tender perennial plants for greenhouse or conservatory. Sow seed any time unless in very hot weather in a temperature of about 60° F. Allow the plants plenty of ventilation, but do not let the leaves of one plant come in contact with those of another.

410. EXTRA FINE MIXED.—Flowers of large size and perfect form, while the variations and markings are endless. In addition to the usual range of colors, this strain contains unique shades of rose, pink and coppery red. Pkt. 50c.



Swan River Daisy

Aster-Vick's Pink Enchantress



Campanula—Double Mixed

Calliopsis

Coreopsis

Showy and useful garden flowers of great value for cutting. They are of the easiest culture, bloom freely all summer and are splendid for massing. They delight in an open, sunny position and good cultivation. For early bloom they can be sown indoors and transplanted.

440. DRUMMONDI (Golden Wave).—Bright golden-yellow flowers with a zone of dark crimson encircling the eye. Annual. 1 foot. Pkt. 10c.

445. BICOLOR TINC-TORIA.—A very easily grown annual variety producing multitudes of deep golden-yellow flowers with maroon blotches at the base of the petals. 18 inches. Pkt. 10c.

450. GRANDIFLORA.—Rich yellow flowers on long stems. Height 2 feet. This is a perennial variety but will bloom first year from seed if sown early. Pkt. 10c.

455. LANCEOLATA GRANDIFLORA.—Large, golden-yellow flowers, fine for cutting. A perennial but can be treated as an annual. Height 2 feet. Pkt. 10c.

460. CORONATA.—Large and showy yellow flowers with brown centre. Annual. 18 inches. Pkt. 10c.

465. TOM THUMB BEAUTY.—This elegant, dwarf and compact growing annual forms a perfect little bush covered with bright, golden-yellow flowers with crimson centre. Its easy culture and free-blooming character make it quite a gem for borders, while it is equally valuable for pot culture. Pkt. 10c.



Calliopsis

Cineraria

Magnificent flowering plants for the house or conservatory. A great variety of colors are represented, ranging from white through blue and crimson to pink and violet. On many of the plants, the ray flowers are marked with zones differing in color from the rest of the flower. The blooms measure 2 to 3 inches across and usually show two or more colors in one flower.

655. SUPERB MIXED.—A remarkably fine strain of Cineraria, saved from one of the finest prize collections in Britain. They are compact in habit and the immense flowers exhibit an infinite range of beautiful shades of color. Pkt. 50c.

660. MARITIMA DIAMOND.—This variety is entirely distinct from the well-known florist Cineraria. It is grown exclusively for its beautiful silvery foliage and used largely Pkt. 10c.

Campanula Bell Flower

It is not generally known that Campanulas will usually flower the first year from seed if sown early. The following varieties are well known hardy perennial sorts of great value for the herbaceous border.

470. PERSICIFOLIA MOERHEIMI.—One of the finest of the hardy bell-flowers, growing 2 to 3 feet high. The fine double flowers are constantly in bloom from June till September. Pure white. Pkt. 15c.

475. PYRAMIDALIS MIXED.—A remarkably handsome species, growing 4 feet high and flowering first season from early sowings. Each plant bears several stout straight spikes which, during August and September, are encircled with the beautiful blue or white flowers. Pkt. 10c.

Canterbury Bells

Well known hardy biennials of great value for border decoration. They grow 2½ feet high and bloom in June.

485. SINGLE WHITEPkt. 10c

490. SINGLE ROSEPkt. 10c

500. SINGLE MIXEDPkt. 10c

495. SINGLE BLUEPkt. 10c

505. DOUBLE MIXEDPkt. 10c

510. CALYCANTHEMA MIXED.—These are the new calyx-flowered or Cup and Saucer Canterbury Bells. Very showy and of good pyramidal habit. 2 feet. Pkt. 15c.

Canary Bird Vine

A rapid growing annual climber which has become a genuine favorite as it produces such an abundance of fine foliage and bright yellow blossoms which bear a fancied resemblance to a canary.



Balsam

520. TROPÆOLUM CANARIENSE.—An ideal subject for the arbors or verandas, growing 10 feet high. Bright yellow flowers borne in profusion all summer. This dainty climber is yearly growing in favour for all purposes and those who know it rank it with Morning Glory or Nasturtium. Pkt. 10c.



Campanula—Single Mixed

Canna Indian Shot

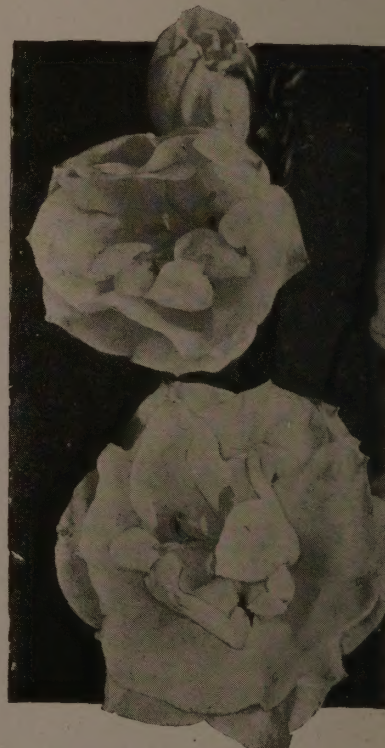
These fine bedding plants can be easily raised from seeds. The round, bullet-like seeds (from which is derived the popular name of Indian Shot) should be soaked in lukewarm water for 24 hours after piercing the hard coating with a file.

555. CROZY'S NEW HYBRIDS.—One of M. Crozy's best introductions. Saved from the newest and finest sorts in his collection. Pkt. 15c.

Cobea Cathedral Bells

A rapid growing tender perennial climber with handsome dark green foliage. It is deservedly popular on account of its rapid growth, frequently attaining a height of 30 feet in one season.

680. SCANDENS.—Large bell-shaped flower, green at first, but rapidly changing to a beautiful deep purple. The plant is a vigorous grower and is best treated as an annual, sowing the seeds in March and planting out end of May. Pkt. 10c.



Campanula—Persicifolia

Candytuft *Iberis*

Popular dwarf annuals of bushy habit, growing 12 inches high, and bearing large umbels of bloom. They flower with the utmost profusion and are very attractive to bees. They are used to good advantage for mass effects in beds or borders.

525. **GIANT HYACINTH FLOWERED WHITE.**—A magnificent introduction, each plant having five or six heads of bloom. The fine, spiral spikes of purest white make it very attractive for edging or bedding. Pkt 10c.
545. **MIXED COLORS.**—This splendid mixture contains all the best colors known among Candytufts. Pkt. 10c

530. **GIANT EMPRESS WHITE.**—This handsome variety makes a perfect pyramid of white bloom throughout the summer. Fine for cutting. Pkt. 10c.

535. **PURPLE.**—The well-known purple Candytuft. Pkt. 10c.

540. **DUNNETT'S DARK CRIMSON.**—A beautiful and unique shade, which contrasts effectively with the white varieties. Pkt. 10c.

550. **PERENNIAL CANDYTUFT (Iberis Sempervirens).**—A popular herbaceous perennial variety growing 9 to 12 inches high. They form hardy evergreen plants of robust growth, which in spring are covered with snow-white flowers. Pkt. 15c.

Chrysanthemum *Paris Daisy*

These hardy garden varieties are quite different from the large greenhouse varieties of the florist, though botanically they are of the same family. They are invaluable for cut flowers and for border decoration as they bloom from early summer till frost. Height 1 to 1½ feet.

620. **CORONARIUM DOUBLE MIXED.**—Fine double annual variety, bearing its bright yellow flowers in the greatest profusion. Pkt. 10c.

625. **INODORUM SNOWBALL.**—A splendid double white variety with beautiful fern-like foliage, which is easy to grow and an excellent variety for cutting. Pkt. 10c.

640. **KING EDWARD VII. (Moon-penny Daisy).**—One of the largest single white varieties, of perfect form and very free-flowering. Pkt 15c

645. **SHASTA DAISY.**—A handsome single perennial Chrysanthemum, often measuring 4 inches across. Flowers are elegantly shaped and borne on long stems; unsurpassed for cutting. Flowers are pure white and borne in the utmost profusion. Pkt. 15c

Carnation

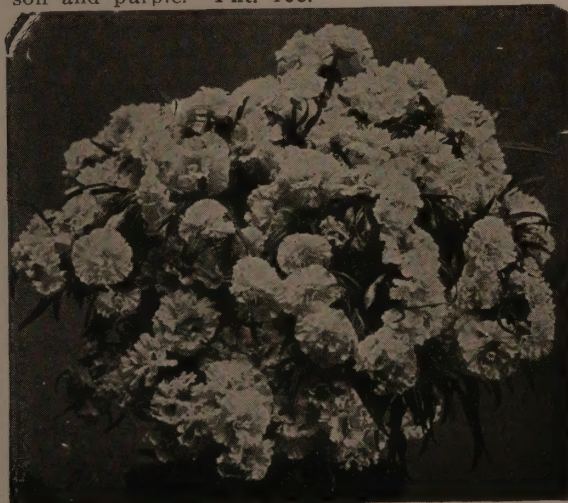
This strain is imported from an eminent Carnation grower, and will produce a large percentage of double flowers of splendid quality. Carnations flower most freely when raised from seed.

565. **MARGUERITE MIXED.**—A selected strain of dwarf and compact habit branching closely above the ground. They can be had in bloom in about four months from seed. Flowers are large, double, deeply fringed, very fragrant, and include many attractive colors. Especially desirable for bedding as an annual and for cutting. Pkt. 15c.

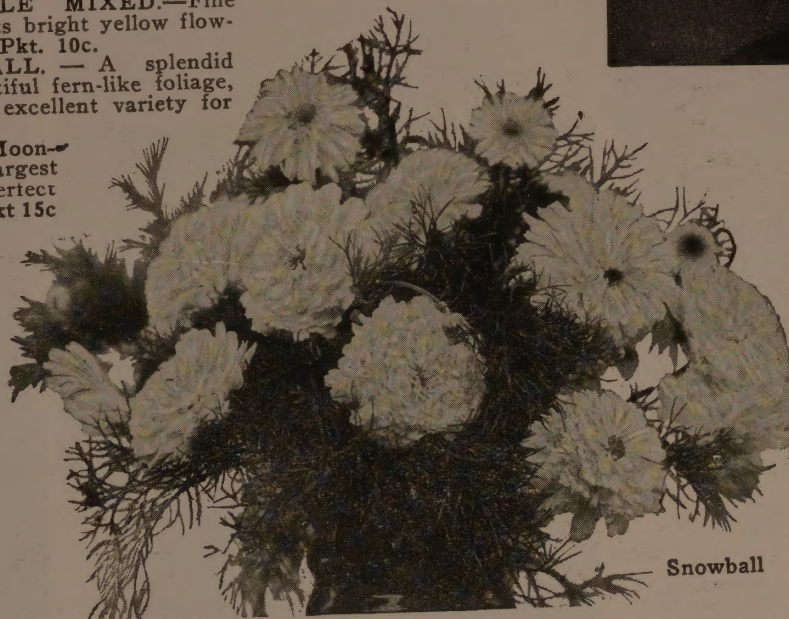
Clarkia

Well-known hardy annuals which are easily grown, and keep up a showy display of pretty flowers from mid-summer until frost.

665. **PULCHELLA TOM THUMB.**—Fine double flowers in many shades of white, crimson and purple. Pkt. 10c.



Clarkia, Pulchella Tom Thumb



Snowball

Cardinal Climber

A new annual climber of extremely rapid growth, flowering early and profusely. It succeeds best in a warm, sunny position, in rich soil, and should be started early indoors for best results.

560. **CARDINAL CLIMBER.**—Each plant bears a multitude of rich, glowing, scarlet flowers, which average 1½ inches in diameter, and blooms continuously from July till frost. Leaves are deeply lacinated like a Japanese Maple. Under favorable conditions, it attains a height of 15 to 20 feet. Pkt. 15c.

Celosia Cockscomb

575. **OSTRICH FEATHERED CRIMSON.**—The beautiful crimson plumed Cockscomb. Pkt. 10c.

580. **OSTRICH FEATHERED ORANGE.**—Beautiful showy plumes in bright orange. Pkt. 10c.

590. **DWARF CRIMSON.**—Saved from a fine selection of the crested Cockscombs, producing rich crimson combs of enormous size. Pkt. 10c

Coleus

Effective ornamental foliage plants for house or garden culture. The leaves are of many shapes and the colors and markings are of remarkable beauty. Plants raised from seeds are harder and more vigorous than those from cuttings. Tender perennial.

685. **CHOICEST AND NEWEST VARIETIES.**—This strain is saved from a choice selection of the largest and best colored sorts. They are splendid for bedding and may be potted in the Fall and kept indoors during the winter months. Pkt. 35c.



Candytuft

Centaurea

Among the old favorite hardy annuals, the different Centaureas take a high place. They are easily grown and bloom quickly from seed.

600. **IMPERIALIS.**—These are also known as Giant Sweet Sultans. The bushy plants grow 3 feet high and are covered with large, long-stemmed double flowers which are delightfully fragrant. All colors mixed. Pkt. 10c.

605. **CYANUS MINOR.**—This is the well-known blue Cornflower, known also as "Bluebottle." Its bright blue flowers are known and loved wherever gardens are grown. Fine for cutting. Pkt. 10c.

610. **GYMNOCARPA (Dusty Miller)**—This is the well-known foliage plant so largely used for edgings and beds. Finely cut, silvery leaves. Pkt. 10c.



Celosia Plumosa

Cosmos Cosmea

Very effective annuals for autumn flowering. The beautiful large flowers somewhat resemble the single Dahlia. The foliage is fern-like and graceful, and the flowers are gracefully poised on long stems and very beautiful for decorative purposes. As cut flowers they are unexcelled. 4-6 feet.

690. **EARLY FLOWERING MIXED.**—This is the earliest flowering variety in cultivation and blooms fully a month in advance of the ordinary strain. They will bloom in June if started in house or hotbed. Seed should be sown in March and potted off before transplanting to the open ground. All colors mixed. Pkt. 10c.

Cyclamen

Among the winter-flowering greenhouse plants, the Cyclamen occupies an important place, and well repays the grower by the abundance and beauty of its flowers. Seed may be sown any time during spring or autumn, and as the finest display is to be had from yearling plants, it is advisable to raise fresh stock annually. It should be kept at a temperature of 50° to 60° F., and watered freely until well started. Tender perennial.

705. **PRIZE VARIETIES MIXED.**—This strain of Cyclamen is saved from the collection of a famous English specialist, and can be relied on as containing all the best forms and every shade of color.

Cypress Vine

Ipomoea Quamoclit

A beautiful rapid growing climber, with delicate dark green feathery foliage. For training upon a light ornamental trellis, the Cypress Vine cannot be excelled.

710. **FINEST MIXED.**—Scarlet and white star-shaped blooms. Sow outdoors and cover seed half an inch deep. Thin the young plants to 6 inches apart. Tender annual. 15 feet. Pkt. 10c.



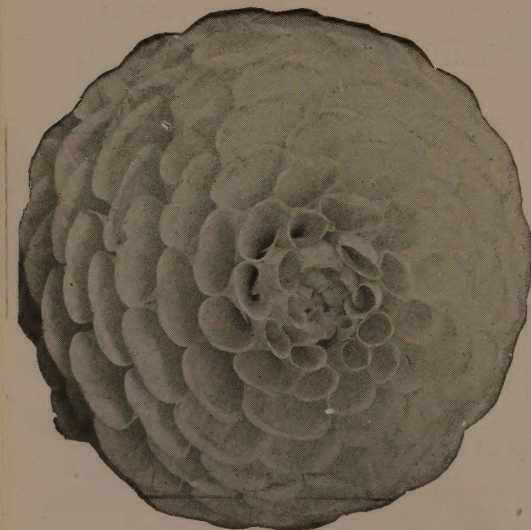
Cosmos—Early Mixed

Dahlia

Favorite autumn flowering plants blooming first season from seed if sown early. The seeds germinate easily and from the very first make strong and sturdy little plants. The flowers are so symmetrical and perfect and the range of colors so wide and varied that they will always be popular where display is wanted. Tender perennials. 4 to 5 feet high.

715. **DOUBLE MIXED.**—A fine selection of the double varieties, saved from the best large flowering sorts. Pkt. 20c.

720. **SINGLE MIXED.**—Many flower lovers consider these more beautiful than the double varieties. The colors are clear and brilliant and show remarkable variations. Pkt. 15c.



Dahlia, Double Mixed

Wild Cucumber

This is a useful climber where a rapid and vigorous growth of vine is desired. It has abundant foliage and retains its bright green color throughout the hot summer months.

700. **ECHINOCYSTIS LOBATA.**—Pretty cream-white blossoms followed by an abundance of prickly ornamental seed pods. Rapid, vigorous grower never infested by insects. Very often the plants will be produced from year to year by self-sown seed. Oz. 25c. Pkt. 10c.



Delphinium Hybridum

Delphinium

Hardy Larkspur

Delphiniums produce some of the loveliest blue flowers in the garden. Their stately habit and splendid colorings make them universal favorites, and where bold effects are desired, they are unsurpassed. They are very effective when planted among shrubs, and for the background of perennial borders they are extremely handsome. Seed sown indoors in March and planted out in the beginning of June will flower the same season. They are also started during June and July for flowering the following year. If the plants are cut back immediately after they bloom, a second crop of smaller shoots will appear in August, often lasting until the advent of frost.

740. **HYBRIDUM.**—Extra large flowers on long spikes, comprising most brilliant colors. This strain is saved from some of the finest hybrids at present grown. Pkt. 20c.

745. **CARDINALIS.**—Beautiful scarlet flowers. Pkt. 15c.

750. **BELLADONNA.**—This beautiful sky-blue hybrid comes quite true from seed, and is very robust and free flowering. Hardy and splendid for cutting. Pkt. 15c.

755. **LARGE FLOWERING HYBRIDS.**—A choice mixture containing all shades of blue from the best named varieties only. Pkt. 10c.



Digitalis (Foxglove)

Dianthus Pinks

The Dianthus family furnishes many beautiful and popular flowers. The Chinese and Japanese Pinks are old favorites, and as a class are more varied in color than Carnations, though lacking their fragrance. All the Pinks are well adapted for bedding and borders, and are also suitable for cutting as the stems are of good length, and the brilliantly colored flowers contrast vividly with the bright green foliage. Some varieties are perennial in habit, but are usually treated as annuals, starting the seed indoors and planting out about the end of May.

765. DOUBLE JAPAN HEDDE-WIGGI.—This is the finest strain of double Japanese Pinks now grown. It contains a wide range of colors in all shades from delicate rose to a rich, velvety crimson. Pkt. 10c.

770. CHINENSIS DOUBLE MIXED.—White and dark crimson shades predominate in this mixture, and the colorings and markings are very brilliant and varied. Pkt. 10c.

775. CHINENSIS SINGLE MIXED.—The well-known single Chinese pinks, unsurpassed in their variety of brilliant coloring and markings. All colors mixed. Pkt. 10c.

780. LACINIATUS FL. PL. SNOW-DRIFT.—The finest large flowered annual variety of Japanese Pink. The pure white flowers measure 3" across and are beautifully fringed and fully double. Pkt. 10c.



Dianthus Hedewigii



Dianthus Snowdrift

Digitalis

Fox Glove

Among the popular herbaceous perennials, the stately Fox Glove is unsurpassed. They are seen to best advantage in the back of the perennial border. They grow 3 to 5 feet high and bear numerous handsome bell-shaped flowers on long stems. In bloom from June to August.

790. GLOXINIOIDES.—Flowers have spotted throats resembling Gloxinias. A greatly improved strain. All colors mixed. Pkt. 10c.

795. MONSTROSA.—This variety is quite distinct from all other Fox Gloves, as each spike is surmounted by a very large bell-shaped flower of the same coloring as the rest of the plant. Long spikes of bloom in various shades. Pkt. 15c.

800. FINE MIXED.—Containing white, purple, pink and yellow shades. Pkt. 10c.

Dimorphotheca

African Orange Daisy

This new hardy annual is easily grown, blooms quickly from seed, and continues in flower over a long season. They grow 12 to 15 inches high and are of neat branching habit.

810. AURANTIACA HYBRIDA.—These superb new hybrids show rich variations of color, ranging from purest white to sulphur, lemon, golden-yellow, orange, salmon and rose. Many of them have a darker disc and halo, which greatly enhances the beauty of the flowers. Pkt. 15c.

Forget-Me-Not

Myosotis

This is a favorite old-fashioned perennial, particularly adapted for shady places. It succeeds best in rich, moist soil.

845. VICTORIA.—This Forget-me-not is of compact habit growing only about 5 to 7 inches in height. The foliage is finely cut and the flowers are bright azure blue with a very small yellow eye. Pkt. 15c.

850. PALUSTRIS SEMPERFLORENS.—This variety is continually in bloom from spring to fall. Given a cool, moist situation, no flower we know of will excel it for long season blooming. Flowers are large, and of a beautiful azure blue. Pkt. 15c.

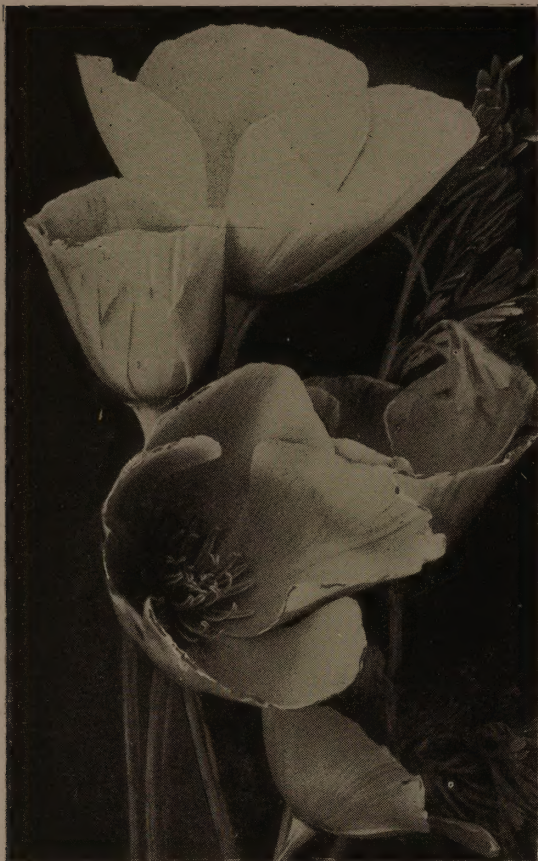
855. CHOICE MIXED.—A splendid mixture of the best varieties. Pkt. 10c.



Dimorphotheca



Digitalis (Fox Glove)



Eschscholtzia Carmine King

Eschscholtzia

California Poppy

These are among the most valuable varieties of Poppy for garden decoration as the flowers continue in bloom through a much longer season. They are showy, hardy annuals which bloom quickly from seed and produce a brilliant effect in beds. 1 to 1½ feet high.

830. CALIFORNICA (California Poppy).—This is the true golden-yellow strain and is a desirable addition to every garden. The brilliant flowers are freely produced over a long season. Splendid for bedding. Pkt. 10c.

835. CARMINE KING.—The deep lustrous carmine shade of this variety is quite novel in Eschscholtzias. Award of Merit, Royal Horticultural Society. Pkt. 10c.

Four O'clocks

Marvel of Peru

Large and beautiful old-fashioned plants of erect bushy habit, that open about 4 o'clock in the afternoon, remaining open all night, and are usually closed before noon the next day. The flowers are tube-shaped and include brilliant shades of white, red, yellow, and orange, with stripes and blotches.

860. ALL COLORS MIXED.—Easily grown hardy annuals, bearing a profusion of brightly colored flowers all season. Height 2 feet. Pkt. 10c.

Geranium

Pelargonium

This is the well known and popular tender perennial so much used for bedding, window-boxes and indoor culture. By growing them from seed there is a great deal of pleasure and interest in watching them develop as there will be scarcely two alike, and there is always the chance of producing a new variety. 1 to 2 feet.

885. ZONALE VARIETIES.—Saved from a choice collection containing many splendid sorts. Pkt. 25c.

Godetia

Satin Flower

These attractive hardy annuals are particularly useful because they thrive so well in shady places where so few flowers can be grown to perfection. They do best in rather poor soil. The large blooms are of a shining satiny texture and are borne in utmost profusion.

890. CRIMSON GLOW.—This is a new Godetia which has lately come into considerable prominence by reason of its usefulness for bedding and edging. The flowers grow only about 9 inches high and are completely covered with large clusters of deep crimson blooms. This is a special strain which we can recommend to those wanting something dwarf and compact in a large flowering Godetia. Pkt. 15c.

905. LADY SATIN ROSE.—One of the most beautiful of all varieties. Flowers are of a beautiful deep rose pink, the petals shining with a texture like satin. Pkt. 10c.

910. DWARF COMPACT VARIETIES.—A fine mixture of low growing sorts suitable for bordering. All colors mixed. Pkt. 10c.



Eschscholtzia Californica

Gaillardia

Blanket Flower

Showy bedding and border plants which are among the gayest ornaments of the garden in summer and autumn.

865. PICTA.—Crimson with gold margin. Annual. Pkt. 10c.

870. PICTA LORENZIANA.—One of the finest double annual varieties, bearing handsome heads of double quilled flowers in rich shades of red and yellow. Pkt. 10c.

880. ANNUAL VARIETIES MIXED.—A choice mixture of the most showy annual sorts. Pkt. 10c.

875. GRANDIFLORA COMPACTA.—One of the most useful plants for the herbaceous border as it is in bloom practically will bloom first season from an early sowing all the time from June until frost. They are. The ray flowers range from red to yellow around a dark maroon centre. Pkt. 10c.



Godetia

900. SCHAMINI FL. PL.—This is the new double rose Godetia which has been so greatly admired. The bright rose flowers are very double and afford a splendid mass effect in beds. As cut bloom they are particularly useful as the flowers develop and the sprays lengthen after being placed in water. Height 2 to 3 feet. Pkt. 10c.

Ornamental Gourds

Hardy annual climbers which are very desirable where a quick growth and an immense amount of foliage is required. They are easily grown from seed and in the fall produce interesting and brightly colored fruits.

930. MIXED ORNAMENTAL GOURDS.—This seed is a mixture containing many strange and curious varieties. The seed should not be sown outdoors until the weather has become quite mild and settled. Pkt. 10c.

BE SURE TO ORDER SOME OF
OUR SUPERB MIXED SPENCER
SWEET PEAS.



Gaillardia



The Bearded Iris in the June Garden. (See pages 74 and 75)

Hollyhock *Althea Rosea*

The Hollyhock is one of those stately old-fashioned favorites without which no perennial border is complete. Their bright colors and tall growth do much to help the gaiety of the July border. Height 5 to 8 feet.

CHATERS DOUBLE VARIETIES.—A notable French strain which stands without a rival among Hollyhocks. The clear coloring and beautiful forms are wonderfully charming and great improvements on the old sorts. The large, full double flowers are beautifully set like rosettes around the vigorous growing flower stalks.

- 965. Chaters Double White Pkt. 15c
- 970. Chaters Double Pink Pkt. 15c
- 975. Chaters Double Rose Pkt. 15c
- 980. Chaters Double Crimson Pkt. 15c
- 985. Chaters Double Sulphur Yellow Pkt 15c
- 990. Chaters Double Bright Scarlet Pkt. 15c
- 995. Collection—Containing one packet each of the above six colors. 70c

1000. **CHATERS DOUBLE MIXED.**—A splendid mixture of all the best colors. Pkt. 15c.

1010. **SINGLE ALLEGHENY MAMMOTH**—Petals beautifully laced and fringed, very robust habit, and enormous flowers measuring 5 inches across. Splendid rich colors. Choicest mixed. Pkt. 10c.

Gypsophila *Baby's Breath*

Pretty, free-flowering plants yielding an abundance of fine white flowers on elegant stems.

940. **ELEGANS.**—A beautiful hardy annual variety with delicately beautiful sprays of white flowers. Every garden should have some of this variety as it is unexcelled for mixing with Sweet Peas and other flowers, and for table decoration. Pkt. 10c.

945. **PANICULATA.**—This beautiful herbaceous perennial variety forms an interesting plant about 3 feet high, which looks like a cloud of mist in the border. It bears long panicles of white bloom which are splendid for cutting for mixing with other flowers. Pkt. 15c.

935. **PANICULATA, Fl. Pl.**—This is a new double flowering form of the perennial *Baby's Breath*. The pure white flowers are borne in elegant panicles, and are splendid for cutting as they last a long time in water. A good percentage of the seed will give double flowering plants. Pkt. 15c.

Helichrysum *Straw Flower*

One of the easiest grown annuals which blooms quickly from seed. Height 1½ feet. Hardy.

950. **MONSTROSUM MIXED.**—Flowers of several rich colors. They may be dried by hanging with flower heads down, and are much desired for winter bouquets. Pkt. 10c.

Heliotrope

Although a true perennial, *Heliotrope* is usually raised from seed, started early under glass, and set out about the end of May.

955. **CHOICE MIXED.**—A fine selection of the best varieties bearing large flower heads of great beauty and delightful fragrance. Pkt. 10c.

960. **REGALE.**—An improved and magnificent variety of giant flowered *Heliotrope*. The plants, however, are quite dwarf in growth. They are bushy and compact, and the large masses of bloom are of surpassing beauty and fragrance. This strain is the largest and finest of all *Heliotropes*. Pkt. 15c.



Hollyhock, Chaters



Heliotrope Regale



Kochia

Honesty

Lunaria Biennis

This plant is usually grown for the sake of its silvery seed pouches, which are dried and used in winter bouquets in combination with Helichrysum, Acroclinium, Xeranthemum, and other Everlastings.

1015. MIXED COLORS.—Hardy biennial, easily grown, containing nice shades of white, pink and purple. Height 2 feet. Pkt. 10c.

Humulus

Japanese Hop

Favorite hardy annual climber growing 12 to 15 feet high. Rapid growth and beautiful foliage render them particularly desirable for covering fences or shading verandas.

1020. JAPONICUS VARIEGATUS.—Strong and rapid grower with beautiful foliage distinctly marked with silvery white. Pkt. 10c.

Hunnemannia

Giant Yellow Tulip Poppy

Many of the Poppy family are not as desirable for cut flowers as the blooms are too delicate for this purpose. This variety, however, will keep in good condition for several days.

1025. FUMARIÆFOLIA.—Flowers are a rich shade of buttercup yellow with feathery foliage. The plants bloom in about six weeks from date of sowing the seed and remain in bloom continuously until frost. Perennial. Pkt. 10c.

Incarvillea Hardy Gloxinia

Though not a true Gloxinia, this hardy perennial greatly resembles the well-known greenhouse favorites. The plants bloom in June and from then on keep up a continual succession of flowers throughout the summer.

1030. DELAVAYI.—Rich rose flowers with deep yellow throats, spotted and streaked with purple. Pkt. 10c.

Jacoea

Senecio

A compact growing free-flowering annual, which is very showy and good for border use or pot culture.

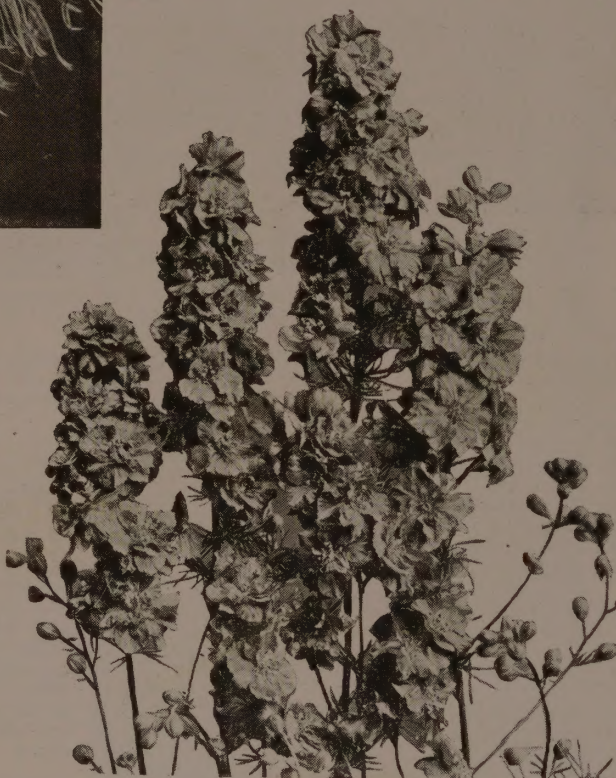
1035. ELEGANS DOUBLE.—A splendid mixture of all the best shades including white, lilac, crimson and dark purple. 1½ feet high. Pkt. 10c.

Kochia

Burning Bush

The Burning Bush or Summer Cypress as it is sometimes called, is a quick growing annual which forms small bushes of 2 to 3 feet in height.

1040. TRICOPHYLLA.—Foliage, bright green in summer, changing in autumn to a fiery crimson hue. Pkt. 10c.



Larkspur

Larkspur

One of the most useful garden annuals. It produces a pleasing effect wherever used, and is especially valuable for its fine shades of color. The slender flower stalks are most desirable for use as cut bloom. For early bloom, seed may be started indoors and transplanted later to the open ground, or the seed can be started outdoors in the Spring where the plants are to flower as they come into bloom very quickly from seed.

1045. GIANT HYACINTH FLOWERED, MIXED.—This is our best Larkspur mixture, and is saved from an extra choice collection, containing all the best colors. Flowers are very double, borne on spikes about 15 inches long. Hardy annual, 2 feet high. Pkt. 10c.

1050. BRANCHING LIGHT BLUE.—Pkt. 10.

1055. BRANCHING DARK BLUE.—Pkt. 10c.

1060. BRANCHING ROSE.—Pkt. 10c.

1065. BRANCHING WHITE.—Pkt. 10c.

1070.—BRANCHING FINE MIXED.—Pkt. 10c.

Linaria Toadflax

A quick-growing, free-flowering hardy annual with varied and beautiful flowers like miniature Snapdragons. Flowers last well when cut and are very suitable for bouquets and table decoration. The plants bloom in six or seven weeks from seed and flower continuously until frost. It is a useful plant to pot up in the fall for flowering indoors during the winter.

1090. MAROCCANA EXCELSIOR.—A fine mixture of many bright colors containing exquisite shades of white, yellow, orange, pink, crimson, and lilac. All colors mixed. Pkt. 10c.



Linaria Excelsior

Lavatera Annual Mallow

A very beautiful and showy hardy annual which has attracted much attention recently by the great size of its magnificent blooms. Plants grow 2 feet high and are good for cutting.

1075. ROSEA SPLENDENS.—One of the most striking varieties of recent introduction. Flowers are of a beautiful rosy pink, in full beauty for a long period.



Lavatera—Rosea Splendens

Leptosyne

Yellow Marguerite

This hardy annual is valued on account of blooming so quickly from seed.

1080. **STILLMANNI**.—A fine yellow daisy-like flower from California, growing about 1 foot high. This bushy, compact plant bears numerous flower stems which are crowned with golden yellow blossoms of elegant shape. This fine Leptosyne blooms in about 6 weeks from seed, and will be found excellent for cut flowers. Pkt. 10c.



Lobelia

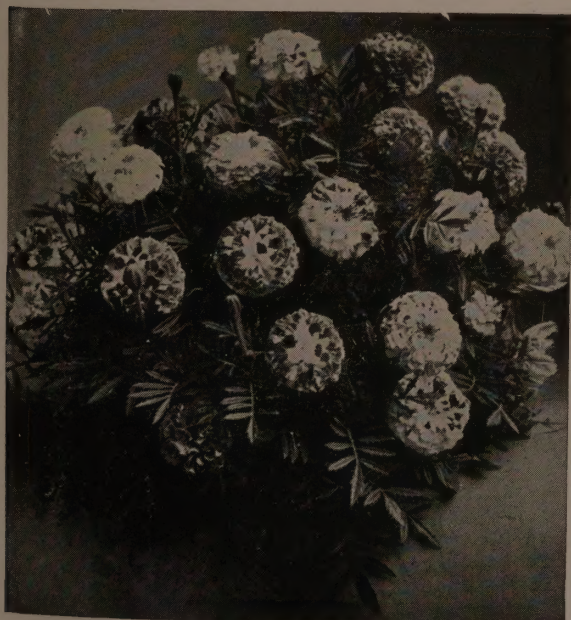
Lobelia

When used in combination with Sweet Alyssum, or Candytuft, we know of nothing prettier than the deep blue Lobelia. For edging beds, baskets, and window boxes, they are particularly useful. They are hardy annuals which should be started indoors and transplanted for best results. Easily grown from seed and bloom all summer.

1100. **CRYSTAL PALACE COMPACTA**.—We have a specially select strain of this variety, all the seeds being saved from cuttings. The habit is dwarf and compact, growing only 6 inches high. Flowers deep blue in color. Pkt. 15c.

1110. **GRACILIS**.—A trailing variety with dainty blue flowers, and on account of its nature this is the best sort to use for window boxes or hanging baskets. Pkt. 15c.

1115. **CARDINALIS**.—This variety is quite distinct from the foregoing, being a herbaceous perennial, growing 4 feet high. Flowers are bright crimson, borne on long spikes. Pkt. 15c.



French Mixed Marigolds

Linum Flax Flower

This is the well-known blue flax flower so extensively grown in hardy borders. It is a herbaceous perennial bearing a profusion of bright blue flowers during August and September.

1095. **PERENNE**.—This is the largest flowering strain of the perennial flax. Height 2 feet. Pkt. 10c.

Love Lies Bleeding

Amaranthus

A fine, easily grown variety which blooms in a very short time from seed. The crimson colored flowers are borne in long drooping chenille-like tassels.

1120. **CAUDATUS**.—Very effective in borders or shrubberies. Height 3 ft. Pkt. 10c.

Lupins Lupinus

culture. Very effective in beds and borders.

Hardy annual and perennial plants of easy culture. They bear long spikes of various colored, pea-shaped flowers, and are particularly adapted for shady places.

1125. **TALL ANNUAL VARIETIES MIXED**.—Valuable for mixed flower borders and beds and very easily grown. The long graceful spikes of bloom are freely produced all summer and are valuable for cutting. Pkt. 10c.

1130. **POLYPHYLLUS, MIXED**.—Showy plants of great value for massing or grouping in the perennial border. They grow 4 feet high and make a splendid background for other flowers. Fine range of colors, including blue, white, rose, and carmine. Hardy perennial. Pkt. 15c.



Hunnemannia

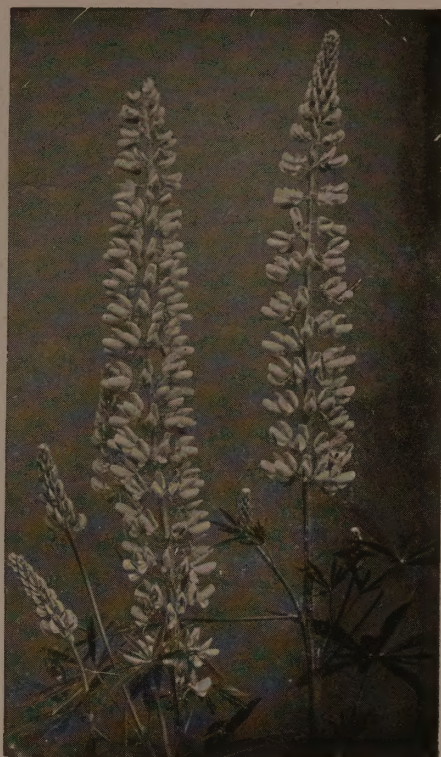
Marigold Tagetes

Marigolds enjoy a well-deserved popularity by reason of their free-flowering habit and ease of culture. They bloom quickly from seed and are among the most effective annuals for beds or mixed borders.

1155. **AFRICAN MIXED**.—This is a splendid selection of the tall growing African Marigold. The densely double flowers are borne on long spikes and are ideal for cutting. Pkt. 10c.

1160. **FRENCH MIXED**.—This is a superb mixture of all the best dwarf growing varieties in fine rich colors, including the best striped flowers. Plants are dwarf, compact and free-flowering. Pkt. 10c.

1170. **FRENCH DWARF LEGION OF HONOR**.—A very beautiful, single, dwarf variety bearing bright yellow flowers with a distinctive crimson blotch on each petal. Splendid for bedding. Pkt. 10c.



Lupins

Lychnis

This is a splendid hardy perennial which is not as well known as its merits deserve. It is easy to grow, perfectly hardy, and does well in any soil or situation.

1140. **CHALCEDONICA**.—A desirable flower in the herbaceous border, bearing bright orange-scarlet flower heads. It blooms all summer, and the long stemmed flowers are good for cutting. 2 feet. Pkt. 10c.

Matthiola

Night Scented Stock

Where fragrance is particularly desired in the garden, this charming little annual should on no account be omitted. It is easily grown and has one of the most delicate perfumes of all garden flowers. Height 1 foot.

1180. **BICORNIS**.—This flower, though not showy, should be in every garden for its delightful odor. During the day it is scentless, but towards evening its flowers open, exhaling a most delicate fragrance. Pkt. 10c.

Mimulus Musk Plant

Mimulus Moschatus is the well-known Musk Plant, which is so well liked on account of the powerful musky odor exhaled by the leaves. Though a true perennial, it can be easily and quickly grown from seed, and will flower first season.

1225. **MOSCHATUS**.—The true, sweet-scented variety so much grown in pots and hanging-baskets. Bears an abundance of primrose yellow flowers but usually grown for the fragrance of the foliage. Pkt. 25c.

Malope Mallow

Splendid free-flowering hardy annuals which are very showy, easily grown and good for cutting.

1145. **GRANDIFLORA MIXED**.—This collection contains all shades of rose, crimson, and white. 2 feet. Pkt. 10c.



Matricaria, Double White

Matricaria

Bridal Rose

These are perennials flowering the first year from seed, and bearing a multitude of small double daisy-like white flowers. One foot high.

1175. DOUBLE WHITE.—This is the best selection of the double flowering Matricaria which is one of the showiest of the Pyrethrum family. It blooms quickly from seed. Pkt. 15c.



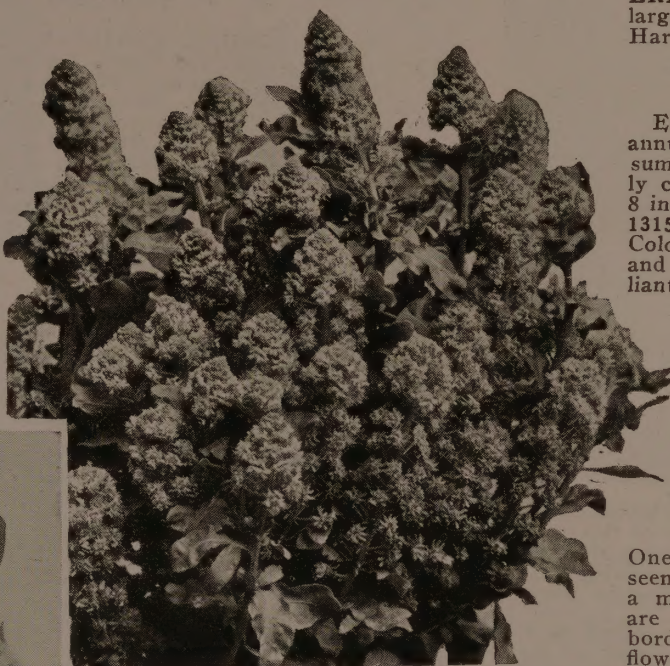
Morning Glory

Moonflower

Evening Glory

This variety of Ipomoea is a luxuriant, rapid-growing climber, conspicuous from the manner in which it keeps its flowers wide open during evening and night.

1230. BONA NOX.—Beautiful, violet-blue and white flowers borne in great profusion. The blooms are delicately fragrant, and single specimens will often measure 5 to 6 inches across. Tender annual climber. Pkt. 10c.



Mignonette

Morning Glory

Convolvulus

This well-known annual climber is of the easiest culture and used in large quantities for growing on verandas, fences, arbors, and trellis work.

1235. IMPERIAL JAPANESE.—This species produces extremely handsome flowers often measuring three inches or more across. There are endless variations of color marking and the blooms are borne in greatest profusion. This strain is superior in every way to the common Morning Glory. 10 to 15 feet. Pkt. 15c.

1240. TALL MIXED (Convolvulus Major).—This is the well-known climbing Morning Glory so popular wherever flowers are grown. Our strain of this variety contains every possible variation of color and is very hardy and vigorous. Quick growing annual climber. 10-15 feet. Oz. 20c; pkt. 10c.

1245.—DWARF MIXED (Convolvulus Minor).—A dwarf growing variety of the above. Very attractive little plants growing 10 to 20 inches high. Flowers large as the climbing sort, but remain open all day. Oz. 20c; pkt. 10c.

Mignonette Reseda

Sweet Mignonete is one of those old-fashioned garden annuals which has retained its popularity throughout the years. It is easy to grow, quick to flower, and delicately fragrant. The newer varieties have all the charm and perfume of the older sorts, while they show great improvement in size and color of bloom. Although hardy annuals, they yield readily to conservatory or greenhouse culture, and can easily be grown in pots for winter or early Spring flowering.

1185. GIANT MACHET.—A greatly improved strain of this fine compact growing variety which is the most popular for greenhouse culture. Our stock is all saved from pot-grown plants. Pkt. 15c.

1200. ALLEN'S DEFIANCE.—When grown under favorable conditions, the spike grows 12 to 18 inches long. The flowers are of immense size, forming a graceful as well as compact spike of extraordinary keeping qualities, retaining their grace and fragrance till every bud opens. Pkt. 15c.

1205.—WHITE PEARL.—This desirable novelty is as hardy and compact as Machet with great wealth of bloom. Flowers are clear white in color with thick, long, well-rounded spikes of bloom. Not all the plants from this strain will come pure white but a good percentage of white flowering plants can reasonably be expected. Pkt. 15c.

1210. SWEET SCENTED.—This is the common, old-fashioned, sweet Mignonette so popular wherever flowers are grown. Very fragrant. Pkt. 10c.

1215. IMPROVED LARGE FLOWERING.—A choice selection bearing large spikes of sweet-scented flowers. Hardy and vigorous. Pkt. 10c.

Nemesia

Easily grown and free blooming annuals which continue in flower all summer, bearing myriads of brilliantly colored flowers. They grow 5 to 8 inches high in compact, bushy form.

1315. STRUMOSA SUTTONI.—Colors range from glowing vermilion and orange-scarlet to the most brilliant shades of rosy purple, the great variety of color being one of the most interesting features of this strain. This is one of the most beautiful annuals ever introduced, having been greatly improved both in size and color. Height 15 inches. Pkt. 25c.

Nemophila

Love Grove

One of the few hardy annuals which seems to do better when growing in a moist and shady situation. They are especially suitable for beds and borders, bearing numerous cup-shaped flowers in many bright colors. 1 foot.

1355. FINEST MIXED.—A choice selection containing white, rose, blue, purple and violet shades. Pkt. 10c.

Choice new introductions are listed on pages 2 and 3



Nemesia (Strumosa Suttoni)

Nasturtium Tropaeolum

Few plants have so many fine qualities to recommend them as the Nasturtium. They are easy to grow, quick to bloom and flower through the entire season. They do well in any soil, but prefer a well-drained, sunny position. They bloom within a few weeks from sowing, and from then till frost comes, there is an endless profusion of their gorgeous blossoms. The dwarf sorts are popular for bedding, while the tall varieties are useful for covering trellises or fences.

Tall Varieties

1310. MADAME GUNTHER'S TALL HYBRIDS.—A new strain of French origin, most remarkable for the wide range of exquisite colors, including pink, purple, rose, salmon, light yellow, dark maroon, and deep orange. All colors mixed. Pkt. 10c.

1300. TALL MIXED.—We have an unusually fine mixture, containing all the best colors among the tall growing sorts, and it is just the thing for growing on verandas, trellises or fences. The range of colors and leaf markings is very wide and varied. Oz. 20c; pkt. 10c.



Tall Nasturtium

Dwarf Varieties

1255. QUEEN OF TOM THUMBS.—

This variety is a particular favorite on account of its beautiful variegated foliage. The plant is of compact, bushy habit, bearing immense quantities of brilliant crimson flowers. Very showy and distinct. Oz. 25c; pkt. 10c.

1260. EMPRESS OF INDIA.—This has been justly described as a sensational variety on account of the vivid contrast between the dark bluish-green leaves and the intense orange-scarlet flowers. Oz. 25c; pkt. 10c.

1290. DWARF FINE MIXED.—This is the finest mixture of all the best dwarf strains, and contains a wide range of brilliant colors, including the best of the variegated leaved sorts. Oz. 20c; pkt. 10c.



Dwarf Nasturtium

Nicotiana

Flowering Tobacco

While this handsome flowering tobacco is grown particularly for its delicate fragrance, it is very showy in the garden as the flowers are large and beautiful and comprise various brilliant colors. Annual.

1330. AFFINIS CHOICE HYBRIDS.—This is one of the best hybrid strains of Nicotiana and contains a fine variety of bright colors. Very brilliant and free flowering. 2 feet. Pkt., 10c.

1335. SYLVESTRIS.—A handsome plant of pyramidal habit, with long, tubular, pure white flowers borne in dense panicles. This variety remains fully expanded all day as well as in the evening. Height 4 to 6 feet. Pkt. 10c.

1340. SANDERAE HYBRIDS MIXED.—These lovely hybrids are a choice selection containing 8 different colors ranging from pure white to deep scarlet. Blooms all summer. 3 feet. Pkt. 10c.

Oenothera

Evening Primrose

The Evening Primrose is remarkable for the fact that the large showy flowers are usually at their best only towards and during evening. The yellow and white blooms are large, showy, and abundantly produced.

1360. FINEST MIXED.—This strain contains all the best varieties and colors. Pkt. 10c.



Nigella—Miss Jekyll

Nigella

Love in a Mist

Lovely, hardy annuals growing in beautiful bushes, 12 to 18 inches high. The large double flowers nestle in the finely cut, fernlike green foliage and produce the charming effect which gives the plant its popular name of "Love-in-a-Mist."

1350. MISS JEKYLL.—One of our choicest hardy annuals giving an abundance of long stemmed flowers, which are of a clear, cornflower blue, prettily set in slender, elegant foliage. Blue flowers are always welcome in the garden and this variety is certainly one of the most useful for beds or borders. Pkt. 10c.



Nicotiana

THE POOREST SOIL IN YOUR GARDEN,

Keep it for your Nasturtiums. True, they do grow luxuriantly in rich soils, but to see Nasturtiums at their best they should get a poor, sandy location where the bright flowers will riot gloriously above the dark foliage.

McDonald's Superb Pansies

No flower garden is complete without Pansies, and there is no flower which is more generally loved by all sorts and conditions of people. Pansy seed has always been one of our leading specialties, and the fine strains we offer are far superior to the old types. The large size, heavy texture, and strong stems of this strain has been developed through years of careful selection by some of the world's most famous specialists.

The finest large flowered varieties are invariably very shy seeders, hence really good seed is always more expensive. We have been interested in the bringing forward of advanced types of very large varieties, and we feel that every variety offered here is the best procurable in the different types. Those desiring the very finest in Pansies, will do well to order the higher priced packets.

Select Pansy Seed has always been one of our leading specialties.

You can rely on the strains offered here.



Fine Mixed



1435. McDONALD'S ROYAL EXHIBITION MIXTURE.

This superb selection is our finest mixture and will produce enormous blooms in all the richest colorings and markings. We prepare this assortment ourselves from the best of the American and European strains, and it contains the largest and best types only. It is the result of many years of careful selecting for size, texture, coloring and length of stem. The blooms are truly gigantic, finely curled and include the most richly colored of the stained and blotched varieties. A grand strain from which to select exhibition blooms. Pkt. 50c.



1370.—GIANT TRIMARDEAU WHITE.—Pure white with a violet blotch on the three lower petals. Pkt. 15c.

1375. GIANT TRIMARDEAU YELLOW.—A splendid, pure yellow variety. Pkt. 15c.

1380. GIANT TRIMARDEAU MIXED. — Large flowers of rich and varied shades, distinct and beautiful. The rich coloring of the handsome blooms makes this one of our most popular pansies. Pkt. 15c.

1385. PEACOCK.—A handsome variety which is distinct from all others because of its beautiful form and pronounced marking. The upper petals are peculiarly blotched like the eye of a peacock feather. The colors are a rich peacock blue shading off to velvety maroon and crimson. Pkt. 25c.

1390. MASTERPIECE.—A splendid class of blotched pansies with large blooms measuring three inches in diameter. The range in color is very great with rich, dark velvety shades predominating. They are bordered, blotched and marked in ray like veinings with contrasting colors. The form is distinct from other pansies, the border of each petal being conspicuously curled and waved, giving the flower a double or globular appearance. Pkt. 35c.

Royal Exhibition Mixed

1395. ODIERS FINE BLOTCHED.—A superb Pansy in every way, and one of the finest in beauty of color and perfection of form. The rich colors and distinct markings greatly enhance the general effect. Pkt. 40c.

1400. MADAME PERRET.—Known as "The Wine Pansy" as the shades are mostly wine, pink and red, beautifully veined and marbled. Flowers are large and beautifully outlined with a white margin. The petals are distinctly frilled and waved. Pkt. 15c.

1430. BUGNOT'S BLOTCHED.—A high grade French strain having broad blotches of contrasting color. The upper petals are finely marked and the great diversity of rare-shades make this selection a favorite. Pkt. 25c.

1440. PARK BEDDING MIXTURE.—This is a medium priced mixture which contains a good variety of rich colorings. Flowers are of good substance with thick velvety petals and are borne on good, stiff stems. Pkt. 15c.

Pentstemon

While this is a true herbaceous perennial, it is not sufficiently hardy to survive our winters. They are usually grown as half hardy annuals as they bloom profusely first season if sown in heat during February or March. They grow 2 to 3 feet high in pyramidal bush form, with erect branches thickly set with large, Gloxinia shaped flowers.

1475. LARGE FLOWERED HYBRIDS MIXED.—An improved large flowering strain, containing lovely shades varying from pure white, pink, rose and crimson, to mauve and purple. Clear, bright colors. Pkt. 10c.



Pentstemon.

Petunia

The first problem of the flower gardener is to keep the flower beds bright with bloom all through the season. The Petunia is one of the most useful flowers we have for this purpose, as they keep up a constant succession of bloom from early summer till frost. They are quite easy to grow and endure drought exceptionally well. Seeds may be sown directly in the open ground or they can be started indoors and set out in May. Given a sunny position and good soil, they will produce a constant succession of large, brilliantly colored blooms.

1500. PRIZE DOUBLE MIXED.—This is the finest strain of double Petunias, producing large double blooms of finest form and coloring. Seed of the best strains of double Petunia is always high in price as it can only be produced from flowers which have been carefully hybridized by hand. Our strains produce from 25 to 40 per cent. of double flowers, the balance being singles of exceptionally fine quality. The weaker seedlings should be carefully saved as they invariably produce the finest double flowers. The strong seedlings usually yield only single flowers, while the weaker ones produce large, double, fringed blooms, striped in finest colors. Pkt. 75c.

1505. GIANTS OF CALIFORNIA (Re-selected strains).—This new Giant Flowered selection includes all the shades of crimson, violet, white, and lavender. The blooms are beautifully ruffled and fringed and often measure 4 to 5 inches across. The colors are marked with a superb variety of gorgeous veinings, blotches and stripes. This is the best variety to use for pot culture or window boxes. Pkt. 50c.

1495. SNOWBALL.—A pure, satiny, white variety of dwarf and compact habit. Its freedom of bloom makes it particularly suitable for bedding or pot culture. 8 inches. Pkt. 10c.

1490. ROSY MORN.—A particularly fine bedding Petunia of compact growth, covered with beautiful flowers. The throat is silvery white, while the edge is heavily flushed with soft rosy pink. Ideal as a ground cover for Gladiolus beds. Pkt., 10c.



Single Mixed

Primula

Primrose

The Chinese Primrose is the most free-flowering pot-plant for growing indoors in winter. Easily grown from seed if sown on light porous soil and kept moist always—neither wet nor dry at any time.

1660. GIANT FLOWERED CHINESE MIXED.—This beautiful winter blooming Chinese Primrose is especially valuable as it can be had to perfection from November until late in Spring. The flowers are truly Giant, and this mixture contains all the most beautiful colors. Pkt. 50c.

1665. MALACOIDES.—A new variety. Popular on account of its free-flowering qualities and ability to remain in bloom for fully five months. It is one of the finest varieties for house culture. Quite distinct from the Chinese Primrose, the flowers being smaller and more numerous. Pkt. 25c.

1670. OBCONICA GRANDIFLORA.—An unrivalled strain which is very easily grown from seed. The large flowers are borne on tall stems, showing the immense flower clusters far above the foliage. It is exceedingly floriferous and can be had in bloom almost the whole year round. Pkt. 35c.



Large Single Fringed

1510. LARGE SINGLE FRINGED.—A specially selected strain with large flowers of the most beautiful striped and blotched varieties with ruffled petals and fringed edges. All seeds saved from giant flowers. All colors mixed. Pkt., 20c.

1515. SINGLE MIXED.—This is a very popular mixture as the seed is saved from large-flowered hybrids in great variety of colors, including striped and blotched flowers from select strains. A splendid mixture for bedding or for filling spaces in the hardy border where early spring plants have bloomed. All colors mixed. Pkt., 10c.

Everlasting Pea

Lathyrus Latifolius

A hardy herbaceous, perennial climber flowering in profusion from July till September. Flowers resemble those of the Sweet Pea, but lack their fragrance. Fine for cutting. Height 6 to 8 feet.

1450. EVERLASTING WHITE.—Pure glistening white. Pkt., 10c.

1455. EVERLASTING RED.—Bright red. Pkt., 10c.

1460. EVERLASTING PINK BEAUTY—Dainty blooms in delicate shades of salmon-pink. Pkt. 10c.

1465. MIXED.—A splendid selection containing all the best colors in these popular perennial climbers. Oz., 35c; pkt., 10c.



Primula Chinese Mixed





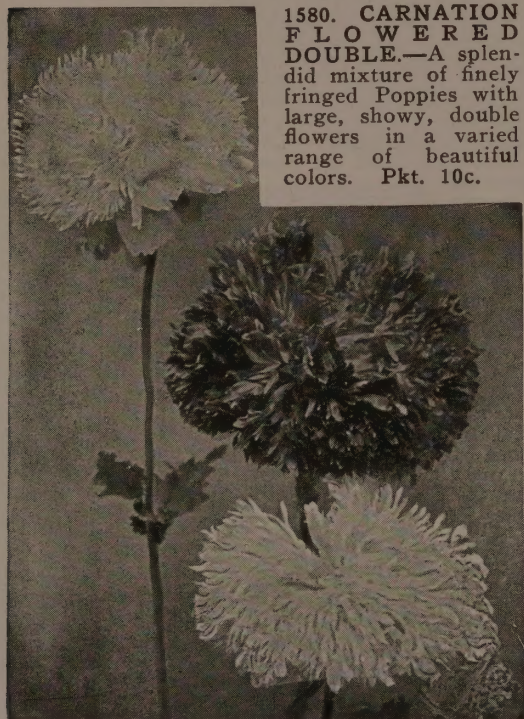
McDonald's
Superb Shirley

Poppy *Papaver* Annual Varieties

For a brilliant display and wide range of dazzling colors, the annual Poppies certainly take a high place. They are valuable for their continuous free-blooming habit and the short time required to flower them from seed. They do not transplant well, so seed should be sown where the plants are to bloom. Both single and double varieties bloom in great profusion throughout the summer, and if the flowers are kept cut and no seed pods allowed to form, the blooming season may be greatly prolonged.

1575. SNOWDRIFT.—The finest strain of double white poppy, growing 2 feet high. Flowers 3 to 4 inches across, perfectly double, finely fringed. Easy to grow and fine for cutting. Pkt., 10c.

1580. CARNATION FLOWERED DOUBLE.—A splendid mixture of finely fringed Poppies with large, showy, double flowers in a varied range of beautiful colors. Pkt. 10c.



Poppy Carnation Flowered

1585. PEONY FLOWERED, MIXED.—The largest flowering strain of double Poppies. Plants are very robust, having a glaucous, fleshy stem and twisted heavy leaves, growing 3 feet high and bearing gigantic blossoms 3 to 4 inches across, which resemble Paeonies more than Poppies. The showy blooms are full, globular shape and produced very freely. All colors mixed. Pkt. 10c.

1600.—McDONALD'S SUPERB SHIRLEY.—There is nothing more graceful than the silky blooms of this magnificent variety and no flower gives a more pleasing display of brilliant bloom. Our special strain has been carefully selected from the stock of the original nominator, the Rev.

W. Wilks, Secretary of the Royal Horticultural Society. Plants grow from 18 to 24 inches high, are well branched, and produce immense quantities of flowers right through the summer. The individual flowers are large and elegant, the exquisite colors ranging from pure white to pink, rose, lavender, red and crimson, while many are daintily edged and striped with varying colors. The petals have a delicate texture like fine crepe paper, and are softly crinkled like ruffled satin. Many flowers from this strain measure as high as 4 inches across. They bloom in about six weeks from seed and are certainly one of the most useful annuals in the garden. $\frac{1}{4}$ oz., 25c; pkt., 10c.

Perennial Varieties

The perennial Poppies are among the most useful subjects for the herbaceous border as they are perfectly hardy, very showy, and give a gorgeous display of bright colors.

Oriental Poppies are the largest of all, growing 3 feet high with immense flowers.

The Nudicaule varieties (Iceland Poppies) grow only 1 foot high and their delicate coloring and graceful forms make them particularly choice subjects for the hardy garden.

1615. ORIENTAL HYBRIDS, MIXED.—This is a splendid new selection containing all the finest strains saved from named varieties. All colors and types will be found in this grand mixture. Pkt., 15c.

1620. BRACTEATUM.—This is the true, deep crimson strain of Oriental Poppy. Grows 3 feet high with very large flowers. Pkt., 10c.

1625. NUDICAULE WHITE.—Clear, glistening white. Pkt., 15c.

1630. NUDICAULE YELLOW.—The yellow Iceland Poppy. Pkt., 15c.

1635. NUDICAULE, ORANGE-SCARLET.—This reddish orange variety is the nearest to scarlet yet attained in this species. Pkt., 15c.

1640. NUDICAULE, MIXED.—A splendid strain saved from the finest new hybrids and containing new shades in addition to those offered above. Pkt., 10c.

1645. NUDICAULE F1. P1. (Double Iceland Poppy).—Not all of the plants will come double as the strain is not yet entirely fixed. A good percentage, however, will give fine double flowers. All colors mixed. Pkt., 15c.

Pyrethrum *Feverfew*

These two varieties of Pyrethrum are entirely distinct from each other. Hybridum is the popular hardy perennial known as Painted Daisy, while Aureum is the well-known Golden Feather so much used for edgings and carpet bedding.

1680.—HYBRIDUM. One of the handsomest herbaceous plants producing a brilliant display of variously colored, Aster-like flower heads. It grows 2½ feet high and the flowers are splendid for cutting. Single hybrids mixed. Pkt., 20c.

1675. PARTHENIFOLIUM AUREUM.—Bright yellow foliage. Perennial, though usually grown as an annual. Pkt., 10c.



Phlox
Grandiflora
Mixed

Phlox Drummondii

This exquisite class of showy annuals embraces a wide range of brilliant colors and produces a lavish profusion of bloom. Few plants will give such an abundance of bloom for so little care and cost. These Grandiflora varieties are particularly fine as they bloom quickly and keep up a continuous succession of flowers till the plants are cut down by killing frosts.

They prefer a light rich soil and should be set not less than 12 inches apart. For very early bloom they can be started indoors and transplanted in April. Hardy annual. 1 foot.

1520. **GRANDIFLORA ALBA.**—Pure white with handsomely rounded petals. Height 1 foot. Pkt. 15c.

1525. **GRANDIFLORA COCCINEA.**—The true, bright scarlet strain. Very fine. Pkt. 15c.

1530. **GRANDIFLORA CHAMOIS ROSEA.**—Beautiful rose shade with orange eye. Height 1 foot. Pkt. 15c.

1535. **ISABELLINA.**—Charming primrose yellow with eye of deep garnet. Pkt. 15c.

1540. **GRANDIFLORA CHOICEST MIXED.**—We have in this a specially fine strain of the large-flowering annual Phlox, grown for us by a specialist who has given this strain many years of careful roguing and seed selecting. It contains every known shade in the Grandiflora section. Many are distinctly marked with contrasting eyes in the centre of the flower. We consider this strain unexcelled for producing rich masses of brilliant bloom. Pkt. 10c.

Rudbeckia

Favorite herbaceous plants for the perennial border. They are easily grown from seed and make strong plants, producing showy flowers from July until frost.

1715. **BICOLOR SUPERBA.**—The semi-double flowers are spotted dark brown on a yellow ground and are borne on good stems which make them valuable for cutting. Pkt. 10c.

1720. **FULGIDA VARIABILIS.**—This is a new strain of this free-blooming hardy perennial with a splendid range of colors. Pkt. 10c.

1725. **NEWMANNI.**—This hardy perennial is sometimes known as "Black-Eyed Susan." It grows 2 feet high and produces large golden-yellow flowers with dark maroon centres. Splendid variety for cutting. Pkt. 10c.

Perennial Phlox

Among the finest herbaceous perennials for hardy borders, this Phlox fills an important place as it begins flowering in late summer when other flowers are fading. There is no other autumn flowering plant which produces such a wide range of brilliant colors, and they keep the garden bright right up till frost, with their large trusses of glorious bloom. A peculiarity of this seed is that it sometimes takes several months to germinate. Height 2 to 3 feet.

1555. **CHOICEST MIXED.**—An especially fine strain saved from best exhibition varieties only. Pkt. 20c.

Ricinus

These are quick growing tender annuals of stately growth and picturesque foliage. The seed should be started indoors and plants set out in early June. Their rich luxuriant growth gives a semi-tropical effect, and they are particularly suitable as centre plants for large beds. They make rapid, vigorous growth if given good soil and cultivation.

1685. **GIBSONI.**—A useful species with dark purplish green foliage. Height 6 feet. Oz. 20c; pkt. 10c.

1690. **ZANZIBARENSIS.**—A wonderfully vigorous, giant-growing species of African origin. They grow 6 to 10 feet high and make a perfect pyramid of foliage with gigantic leaves. The immense beautifully colored leaves will often measure over 2 feet across. Green, bronze and purple leaved varieties in splendid mixture. Oz. 20c; pkt. 10c.

1695. **BORBONENSIS.**—An extra fine sort growing 6 to 10 feet high with handsome dark green foliage. Oz. 20c; pkt. 10c.

For long season blooming, Phlox Drummondii is one of our leading annuals. We recommend No. 1540 as a choice mixture of the large-flowering varieties.

Portulaca

When you want flowers for some location that is too hot and dry, use Portulaca. The hotter the summer, the better they thrive, and their brilliant flowers seem even more gorgeous when other flowers are wilting under the July sun.

They are low growing plants with thick fleshy stems, tinged with red, and small quill-shaped leaves. The flowers include many shades of red, white, pink, orange, yellow, and striped. They are easily grown, and flower profusely over a long season. Give them an exposed situation in light, rich loam, and they will delight you with a luxuriance of richly colored flowers.

1650. **SINGLE MIXED.**—The single varieties are favorites for the clear brilliance of their colors. All colors mixed. 6 inches. Pkt. 10c.

1655. **DOUBLE MIXED.**—This splendid strain produces a large percentage of showy, perfectly double flowers in brilliant shades of primrose, scarlet, white and yellow. All colors mixed. Pkt. 20c.



Portulaca Double Mixed



Schizanthus

Schizanthus Butterfly Flower

A beautiful, half-hardy annual of easy culture, and suitable for either outdoor or greenhouse culture, blooms quickly from seed, and is very free-flowering, each plant being a solid pyramid of bloom and continuing in flower for several months.

1775. **WISETONENSIS EXCELSIOR**.—This new strain is a marked improvement, the individual blooms frequently measure $1\frac{1}{2}$ to $1\frac{3}{4}$ inches across. The colors include all shades of buff, white, pink, rose and yellow, with beautiful markings, which render them exquisitely beautiful. Makes a handsome pot plant for window culture. Pkt. 25c.



Sweet Sultan

Sweet Sultan Centaurea

This is a hardy annual variety of Centaurea Imperialis with showy, fragrant flowers of great value for cutting. It retains its fragrance for a long period when cut and placed in water.

1855. **LARGE FLOWERED MIXED**.—A magnificent strain with beautifully fringed flowers which are nearly twice the size of the old varieties. All colors known to this class are included in this mixture. Pkt. 10c.

Statice Sea Lavender

An excellent herbaceous plant for the border which is greatly brightened with its cloud-like bloom.

1785. **LATIFOLIA**.—Color is a clear mauve. The flowers when dried by hanging with heads down, are very useful for winter bouquets and decoration and combine beautifully with Helichrysum or other Everlastings. Hardy perennial. 2 feet. Pkt. 10c.

Sweet Rocket

One of the old-time perennials which is still as popular as ever in hardy gardens. Flowers are borne in racemes, in delicate shades of lilac and white.

1850. **FINE MIXED**.—All shades of this early blooming perennial. Fragrant flowers, 2 to 3 feet high, freely produced from May till July. Pkt. 10c.

Salpiglossis

This is one of the finest hardy annuals in cultivation, and one which deserves a place in every garden. It is easily grown, stands the sun well, and keeps up a constant succession of trumpet-shaped blooms. For early blooming, the seeds may be started indoors and the plants set out in May. 2 feet.

1730. NEW EMPEROR MIXED.

—These are the newest hybrids, and include all the large flowering sorts. The great variety of colors is one of the interesting features of this splendid selection. Pkt. 10c.

Salvia

1735. **SPLENDENS**.—One of the finest varieties of Salvia, bearing gorgeous masses of flame-colored bloom. It is useful as a hedge or border plant where long, broad bands of intense color are desired. 3 feet. Pkt. 10c.

1740. **ZURICH**.—A splendid new dwarf variety, growing 2 feet high. Specially valuable owing to its earliness in flowering, blooming 10 days in advance of other sorts. Very effective for bedding, either alone or as a front row for the taller Salvias. The brilliant red flowers are produced continuously from July till frost. Pkt. 15c.

Scabiosa Mourning Bride

An old-fashioned garden favorite which has been greatly improved during recent years in both size and color. It is easily grown, valuable for cutting, and very decorative for beds and borders. One of its principal merits is the extraordinary attraction it has for bees, being one of the best honey plants, while all the most beautiful types of butterflies are drawn to it.

1750. LARGE FLOWERING DOUBLE.

—We have a specially large flowering strain of Scabiosa which has been giving great satisfaction to our customers. The flowers are very double in a wide range of colors and freely produced. Height 2 feet. Annual varieties mixed. Pkt. 10c.

1760. **CAUCASICA**.—One of the handsomest hardy perennial, bearing beautiful large, light blue double flowers, from July till September. They are perfectly hardy and make one of the most elegant additions to the perennial border. Height 2 feet. Pkt. 15c.



Salpiglossis
(Velvet
Trumpet)

Scarlet Runners

The well-known ornamental climbing bean so much used for covering verandahs, fences and trellises. They grow vigorously if planted in rich, warm soil, but care should be taken not to plant them before the weather has become quite settled.

1745. **SCARLET RUNNERS**.—Plants of strong, rapid growth, bearing a profusion of bright scarlet flowers. Pkt. 10c



Scabiosa—
Large
Flowering
Double

Stocks *Matthiola*

These improved varieties of garden stocks produce dense spikes of very brilliant double flowers in a wide range of attractive colors. Their great beauty should ensure for them a place in every garden, as they are easily grown as Asters, and bear an immense quantity of fine blooms. They are suitable for cutting, being produced on stems of good length. Height 1½ to 2 feet.

1790. **PRINCESS ALICE**.—This is the true "Cut and Come Again" type of vigorous habit and delicious fragrance, blooming continuously throughout summer and fall. Pure White. Pkt. 20c.

1810. **QUEEN ALEXANDRA**.—A new Stock of the same type as "Beauty of Nice," bearing large spikes of rosy lilac bloom. Pkt. 15c.

1795. **LARGE FLOWERING TEN WEEKS**.—This is a special selection of the large flowered Ten Week Stock, all the seed being saved from pot-grown specimens. They are of fine compact growing habit and excellent for bedding. They bloom very early and keep up a continuous profusion of fine fragrant flowers till frost. This strain will produce a large percentage of double flowers. ⅓ oz. 75c; pkt. 10c.

1800. **BEAUTY OF NICE**.—A Stock of great beauty, bearing large flowers of delicate blush pink. The plant grows 2 feet high and is literally covered with fragrant flowers, measuring 2½ inches across. Pkt. 15c.



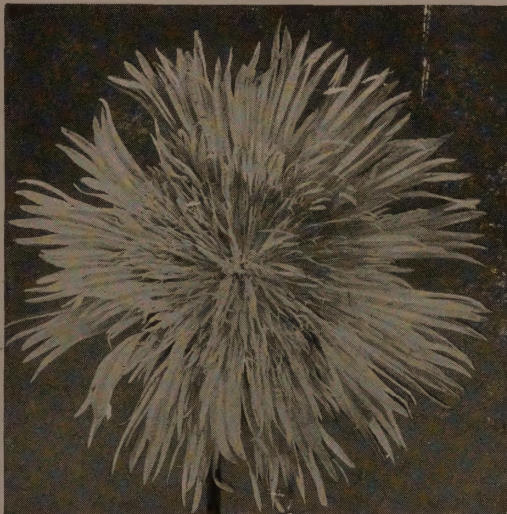
Stocks—Large Flowering Ten Weeks

Sunflower *Helianthus*

Grand and stately decorative plants producing great masses of yellow flowers. Their luxuriant growth and the size and brilliance of their flowers make them very effective and useful for backgrounds of borders and beds. Sow seed in the open ground where plants are to bloom, and thin out to stand from 12 to 18 inches apart. These improved, modern types of Sunflower are really gorgeous in their brilliant color and many of the smaller flowering varieties are excellent for cutting. Annuals.

1830. **STELLA** (Improved Miniature Sunflower).—This fine, single variety grows only 3 feet high, and bears a profusion of fine bloom 3 inches across. Flowers are rich, golden-yellow with black disc, and are borne on long stems rising well above the small, green foliage. Splendid for cutting. Oz. 60c; pkt. 10c.

1845. **NEW RED SUNFLOWER**.—Among recent novelties, none has excited more widespread interest than this. Since its first introduction, this strain has been greatly improved by continuous painstaking selection till the plain yellow sorts are practically eliminated. This is a true annual Sunflower, but bears numerous handsome, dark-centred flowers, banded with bright chestnut-red merging to yellow at the tips of the petals. Not all of the plants come true from seed, but by discarding all the seedlings which show no purple in stem or leaf, the common yellows will be eliminated. They are easily grown, and bloom in about 8 weeks from seed. Give them a sunny position, and set them three feet apart as they are of free branching habit and bloom profusely. Pkt. 15c.



Stokesia

1840. **MAMMOTH RUSSIAN GIANT**.—This is the largest of all Sunflowers, producing numerous heads of large, bold flowers. They grow from 10 to 12 feet high. Special stock Oz. 20c; pkt. 10c.

1835. **PRIMROSE SULPHUR GEM**.—A distinct and beautiful variety of free-blooming habit. The ray florets are primrose colored while those of the disc are dark. Pkt. 10c.

Sweet William *Dianthus Barbat*

This hardy, herbaceous perennial is one of the most desirable for display in the garden. The plants are easily grown, free flowering, and bloom quickly from seed. They are universal favorites, and no perennial border is complete without them.

1860. **EXTRA LARGE AURICULA-EYED**.—This is the finest procurable strain of the large flowered Auricula-eyed varieties. Flowers are perfectly formed and have clearly defined eyes of contrasting colors in bright and beautiful shades. Splendid mixture. Pkt. 10c.

1865. **PINK BEAUTY**.—A beautiful salmon-pink selection, with large flower heads. Pkt. 10c.

1870. **FINE MIXED SINGLE**.—This is a choice selection of the most beautiful single varieties in splendid mixture. Pkt. 10c.

1875. **DOUBLE MIXED**.—This is the best strain we know of, in Double Sweet Williams, and will produce a large percentage of fine double flowers, the balance being singles of unusually fine quality. All colors mixed. Pkt. 15c.

1880. **CRIMSON SHADES**.—A choice, new selection of the finest deep crimson shades. Pkt. 15c.



Sweet William, Auricula Eyed



New Red Sunflower



Kenneth McDonald & Sons Limited

McDonald's Superb Sweet Peas

The marked improvements that have been wrought in Sweet Peas during the past few years, both in size and shape of their blooms; and the great diversity of beautiful color forms introduced, have brought this popular annual into greater favor than ever.

Our collection includes only the finest of the large flowering sorts and as our stocks have been grown for us by some of the most famous specialists, we can assure our friends that in ordering McDonald's Superb Sweet Peas, they are getting the very best procurable.

CULTURE.—Sweet Peas, which should be sown as early as the ground can be worked, do not require as rich soil as is generally supposed. An easily worked clay loam with the addition of well rotted manure grows very good Sweet Peas. If the only available soil is a sandy loam, the surface should be kept heavily mulched during the summer for 18 inches on each side of the row with lawn clippings. Soil should be deeply dug and then raked smooth, leaving a slight depression towards the middle of the row, sufficient to cause the rain to flow towards the plants instead of away from them. Sow seeds half an inch apart and two inches deep, firming the soil over them after sowing; one ounce of seed to every 15 feet. Thin out to six inches apart. Thorough watering and an occasional application of liquid manure will benefit them greatly. Erect netting or stakes before plants grow too tall. As flowers come into bloom they should be cut and all seed pods removed so that the flowering season may be lengthened.

Spencer Varieties or Orchid Flowering Sweet Peas.

These gigantic flowering Sweet Peas are quickly superseding the ordinary types, far surpassing them in beauty, size and color. The flowers are produced abundantly in sprays of three or four, both standards and wings being waved in a most attractive way. The blooms frequently measure two and one-half inches across, and are unequalled for cutting purposes. This type is a very shy seeder.

2165. McDONALD'S SUPERB MIXED SPENCERS.—Our special blend of Giant Flowered Spencers contains over a hundred of the finest named varieties. Only true Spencer varieties are used, from the best growers' the choicest seeds we can procure. Most of the blooms come three or four on each stem, of immense size and beautifully waved and curled. All are giants of striking beauty and delicacy of coloring, perfect in form and vigor of growth. To those who want the very finest mixture procurable we recommend it unreservedly as we consider it quite unsurpassed for vigor, variety and splendid quality of fragrant bloom. $\frac{1}{4}$ lb. \$1.00; oz. 35c; $\frac{1}{2}$ oz. 20c; pkt. 10c.

2170. AGRICOLA.—One of the finest of the newer introductions in Sweet peas and a splendid variety for exhibition purposes. The ground color is white, flushed with heliotrope pink, with a dainty edging of dark heliotrope or plum color. Pkt. 15c.

2175. APPLE BLOSSOM SPENCER.—Of much larger size and more beautiful than the popular Apple Blossom Sweet Pea. Rose with blush wings. They are excellent for cutting, being borne on long, stiff stems, with usually three or four flowers on each spray. Oz. 60c; pkt. 10c.

2180. ASTA OHN SPENCER.—Lavender, tinted mauve. Very large and wavy. Each stem usually bears four flowers of finest Spencer form. One of the most popular varieties. Oz. 60c; pkt. 10c.

2190. CAPTAIN OF THE BLUES SPENCER.—Even larger than "Countess Spencer," and of perfect form. The large wavy standards are purple and the wings bright blue. One of the largest Spencers. Oz. 60c; pkt. 10c.

2200. CONSTANCE HINTON.—Since the introduction of the Spencer type of Sweet Peas growers have looked forward to a white variety which would equal the colored sorts in hardiness. In Constance Hinton this result is attained and we have a black seeded white Sweet Pea which can be sown as early as any other sort without fear of the seed rotting in the ground. The vine is of strong, vigorous growth with enormous, wavy, white flowers, frequently $2\frac{1}{2}$ inches across, which are borne in sprays of four and often five, on long, strong stems. Decidedly the best black seeded white variety in cultivation. Pkt. 15c.

2205. COUNTESS SPENCER.—Bright clear pink, shade deeper at edge. The original of the Spencer type. Oz. 60c; pkt. 10c.

2210. DAINTY SPENCER.—White suffused and edged with pink, of large size, and free bloomer. The ground color is snowy white, while the distinct rose-pink margin gives it an extremely dainty effect in contrast with the clear, glistening white ground. Oz. 60c; pkt. 10c.

2220. ELFRIDA PEARSON.—A strong and vigorous grower; flowers of extra large size, great substance and lasting quality when cut. Color is a lovely pink throughout. Oz. 60c; pkt. 10c.

2225. FIERY CROSS.—This is a marked novelty and has been greatly admired by those who have grown it. The flowers are of good size and beautifully waved, but its chief merit is its color, which is a brilliant fiery-scarlet, of which its name is truly descriptive. Oz. 70c; pkt. 10c.

2230. HAWLMARK PINK.—The standard is clear salmon-pink, with wings almost rose-pink. Flowers are large, well-waved, and usually carry four booms to a stalk. Quite the best deep pink. Pkt. 25c.

2240. HERCULES.—This new, giant pink Sweet Pea is very similar in color to Countess Spencer—a lively rosy pink. The flowers grow much larger in size and frequently measure $2\frac{1}{2}$ inches across. It is a strong, vigorous grower, and we feel sure it will please all who give it a trial this year. Pkt. 15c.

2250. ILLUMINATOR.—A variety almost impossible to describe, owing to its rare beauty. The flowers are of a glowing orange scarlet color, beautifully waved, and borne on long stems. Pkt. 15c.

2255. KING EDWARD SPENCER.—Rich bright crimson. Very large flowers, beautifully waved. The wings are unusually large, giving the flowers the appearance of great size. The stems are long and stiff. Fine for cutting, and often carry four splendid flowers. Oz. 60c; pkt. 10c.



Sweet Pea
The Lady Eveline

SWEET PEAS AND VERBENA

2260. KING WHITE SPENCER.—The best white Sweet Pea in existence. Unequalled for size, purity of color, and full wavy flowers. Four blooms are usually borne on each stem. Oz. 75c; pkt. 15c.

2265. MARIE CORELLI SPENCER.—Wings are a pure rich rose-crimson while the standards show a tint of cherry-red. The whole effect is that of a brilliant crimson, clear, distinct and most beautiful. Oz. 60c; pkt. 10c.

2270. MARGARET ATLEE.—One of the most beautiful varieties yet produced; flowers very large, exquisitely waved, of a glowing shade of pink on a cream ground, suffused with salmon. Pkt. 15c.

2275. MRS. CUTHBERTSON.—Standard is clear, rose-pink; wings white, slightly flushed, light rose, making it the finest bi-color of the Spencer type. Oz. 60c; pkt. 10c.

2285. OTHELLO SPENCER.—Of immense size with large drooping wings and large wavy standard. Deep rich maroon, very dark, and adapted for many attractive combinations. One of the best dark varieties. Oz. 60c; pkg. 10c.

2290. PRIMROSE SPENCER.—The finest and largest primrose yellow. The waved standard will often measure two inches across and the finely crinkled wings are very large and fine. Oz. 60c; pkg. 10c.

2300. ROYAL PURPLE.—An outstanding novelty which should be in every garden. Rich, warm, rosy-purple; a sensation wherever exhibited. Flowers of immense size, extremely vigorous. Oz. 75c; pkt. 15c.

2305. SENATOR SPENCER.—A varying combination of deep claret and chocolate, striped and flecked on a ground of light heliotrope. Oz. 60c; pkt. 10c.

2310. STIRLING STENT.—One of the brightest colored of all. Of most advanced Spencer type; rich, glowing, deep salmon self; suffused orange. Oz. 60c; pkt. 10c.

2320. THE LADY EVELINE.—A new, rosy mauve Sweet Pea, ideal for all purposes. It is bound to be the mauve of the show bench. Its great size and lovely color are enhanced by the perfect placing of the flowers, which are duplex in character. For garden decoration the rows or clumps are covered with huge blooms, and four-bloomed sprays are common. Pkt. 15c.

2325. THE PRESIDENT.—A very attractive novelty which has been enthusiastically received by those who have already grown it. The flowers are of the largest size and finest Spencer type and are freely produced in sprays of four on long stiff stems. The color is a brilliant glowing orange scarlet throughout and the whole flower seems to radiate life and fire. Pkt. 15c.

2335. VERMILION BRILLIANT.—Flowers of perfect form. The bold, erect standard is well waved and fluted, beautifully rounded wings are of intense scarlet, making a uniform self color throughout, and entirely sunproof. Pkt. 15c.

2340. WEDGWOOD.—A fine blue Spencer Sweet Pea. In color this pea is a unique shade of the Wedgwood blue, and is borne in four flowered sprays well placed on a long stout stem. Pkt. 15c.

2345. YARRAWA.—This new variety from Australia has lived up to its glowing recommendations. The color is a bright rose-pink with a creamy base, the wings being slightly lighter in tone. The flowers are exquisitely waved, and usually fours on extra long stout stems. Pkt. 15c.

2400. McDONALD'S RAINBOW MIXTURE.—This is decidedly superior to the usual mixture of Sweet Peas being made up from the best English grown strains of the Eckford, Unwin and Spencer types. For diversity of color, size of blooms and beautiful forms this mixture is second only to our Superb Mixed Spencers. Customers can rely on having a really fine showing of Sweet Peas if they sow McDonald's Rainbow Mixture. Lb. \$2.25; ¼ lb. 75c; oz. 25c; pkt. 10c.



Verbena

SEE OUR SPECIAL LIST OF LATEST
SWEET PEA NOVELTIES ON PAGE 3.

Verbena

Uervain

These hardy and free-flowering plants are unsurpassed for effective color displays in the garden. They are very showy and embrace a great variety of brilliant colors. Seed can be started in house or hotbed, and young plants set out in the end of May, or if sown outdoors in May they will bloom from end of July till frost.

1885. MAMMOTH CHOICE MIXED.—An extra choice strain of the Mammoth Flowering Verbenas, which has been reselected and improved both in size and colorings. Seed is saved from the finest individual blooms, and produces a profusion of large trusses of bloom in many rich shades. All colors mixed. Pkt. 15c.

1890. COMPACTA MIXED.—This strain is slightly more dwarf in habit than the preceding sort, and contains a splendid selection of the most brilliant and beautiful colors. All shades mixed. Pkt. 10c.

1895. VENOSA.—Of strong vigorous growth, and in popular demand for bedding or edging purposes. It grows 1 foot high and is covered from early summer till frost with a profusion of bright, purplish heliotrope flowers. Pkt. 15c.

1900. HYBRIDA.—A choice strain selected from fine varieties. All colors mixed. Pkt. 10c.

Smilax

Medeola

Smilax is everywhere recognized as one of the most graceful twining plants in cultivation. It is indispensable to Florists for table and house decoration. If planted in Spring, it makes a fine pot plant for Fall and Winter.

1780. MYRSIPHYLLUM ASPARAGOIDES.—Glossy, dark green foliage, used largely with cut flowers in wreaths, vases, and fancy baskets. The long delicate sprays of foliage will keep without wilting for several days after being cut. Pkt. 10c.



Viola

Viola

Tufted Pansy

While the Violas lack the size of the regular large-flowered Pansies, yet they bloom more freely, and continue to flower over a much longer season. Seed sown in April produces flowering plants in June, and from then till frost, they are a continuous sheet of bloom. They are particularly desirable for bedding purposes.

1910. CORNUTA ADMIRABILIS MIXED.—Very compact, free-flowering strain, fine for bedding. Colors are distinct and showy, and clearer than those of Pansies. This strain contains a large variety of the finest colors. Pkt. 10c.

1915. SCOTCH STRAINS MIXED.—This seed is saved from the finest strains of Viola in Scotland where they are largely used for bedding in preference to Pansies on account of their longer blooming season. Splendid mixture containing the choicest and newest hybrids. Blooms quickly from seed. Pkt. 15c.

1925. ODORATA (Sweet Violet).—This is the true Sweet Violet, and is easily grown from seed. Prefers a cool and moist situation. Pkt. 10c.

Zinnia

Among annual flowers, the Zinnia takes a high place as it is one of the most brilliant, showy, and satisfactory flowers in the garden. It blooms early, and flowers continuously till the advent of killing frost. No flower is more easily grown, and it can be sown in the open ground direct, or for earlier bloom, seeds may be started indoors and the plants set out in May. The large, handsome blooms are finely formed, and come in a great variety of colors.

2010. GIANT DAHLIA FLOWER-ED MIXED.—The blooms of this new strain very closely resemble the Giant Dahlias in form and colorings. They are much larger than the regular strains of Zinnia and might well be classified as the "Spencers" of the Zinnias. The colors are indescribably varied, every shade known to Zinnias being represented. A great future is predicted for this strain as it is undoubtedly one of the most valuable novelties introduced in recent years. Pkt. 20c.

1975. CURLED AND CRESTED.—The petals of this beautiful strain are twisted, curled, and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia. Pkt. 10c.

1980. ZEBRA or CARNATION STRIPED.—A decidedly unique strain with very pretty, striped flowers. As the colors vary on each plant, they present a curious as well as a beautiful appearance. Pkt. 10c.

1990. ELEGANS SINGLE MIXED.—A fine mixture of brilliantly colored single flowers. With the revival of interest in single flowers, these beautiful varieties are regaining their popularity. Pkt. 10c.

2000. GRANDIFLORA DOUBLE MIXED.—A new strain of double Zinnias, specially notable for the wonderful size of the blooms, many of which grow over 5 inches across. This is the finest strain of Giant Zinnias we know of, and includes all the best and largest types. Colorings are rich and varied, and the plants are vigorous and free flowering. Height 2 feet. All colors mixed. Pkt. 15c.

Xeranthemum

Immortelles

Annual, everlasting flowers, growing 3 feet high. Very showy in the garden, and useful as dried flowers in winter bouquets. This is the flower so much used for wreaths and crosses, when the flowers have been dyed.

1960. FINE MIXED.—Beautiful shades of bright rose, purple, and white. Blooms from early summer till frost. Pkt. 10c.

Virginian Stocks

Favorite hardy annuals, valuable for small beds and edgings. They are very showy, flower quickly, and remain in bloom over a long season.

Malcomia Maritima

1935. MIXED COLORS.—Free-flowing plants, covered with dense masses of beautiful bloom. Fine mixture containing bright red, white, yellow and crimson. 9 inches. Pkt. 10c.



Zinnia Achievement



Double Zinnia

Wallflower

Cheiranthus

Well-known half-hardy perennials of delicious fragrance with lovely spikes of beautiful flowers in various colors. They are too tender to withstand our winters, consequently the best method of treatment is to handle them as half-hardy annuals, sowing the seeds indoors in February or March, and setting out the plants towards the end of May. They make splendid varieties for cutting and can be successfully grown as a pot plant indoors. 1 to 2 feet.

1945. EARLIEST PARIS.—A beautiful, fragrant, single variety, which does well treated as an annual, flowering all through the summer from Spring-sown seed. Pkt. 10c.

1950. FINEST DOUBLE MIXED.—Fine selection of the best, large flowered double sorts with dense spikes of deliciously scented flowers. The double varieties are as easily grown as the single. Pkt. 15c.

McDonald's Wild Flower Garden

Under this heading, we offer a mixture containing more than 100 fine varieties of easy growing and pretty flowers, which will be found most desirable for sowing along fences, woodland walks, in shrubberies, and out-of-the-way places. Spots that now appear unsightly can, with little care, be made to look beautiful.

Children delight in having a little garden of their own, and should be given a piece of ground and encouraged to cultivate it. A small plot planted in this way will prove a constant source of pleasure and delight to them, as they will always feel free to cut bouquets for their friends.

2025. ALL VARIETIES MIXED.—Pkt. 10c; oz. 25c; ¼ lb. 75c.

Dahlias

The great present day popularity of the Dahlia is due to its wide range in color and form, and its adaptability to several purposes. There is scarcely anything to be desired unless it be blue and its related shades. Dahlias are adapted equally well for garden decoration, cut flowers, or exhibition purposes. The varieties we offer, include the best of the standards, as well as the cream of the new introductions.

Our list represents the best types of Dahlias, which we describe hereunder:—

DECORATIVE.—This type stands midway between the Cactus and Show types. Flowers are double, full to the centre, in early season. Flat, rather than ball-shaped. Petals are broad, flat, and loosely arranged, producing perfectly formed flowers which lack formality and stiffness.

McDonald's Superb Dahlias

ATTRACTION (Cactus).—Large elegant flowers, clear lilac-rose. A flower of exceptional merit. Each, 40c; 3 for \$1.00.

BIANCA (Cactus).—A magnificent new variety in a class by itself. Color, white, suffused and overlaid an exquisite soft mauve-pink. A giant in size. Free bloomer. Each, 40c; 3 for \$1.00.

CHATENAY (Peony-flowered). Silvery salmon and pink shades. Makes finest bunch of all Dahlias. Each, 40c; 3 for \$1.

DELICE (Decorative).—Distinct and beautiful. Bright rose-pink. Each, 40c; 3 for \$1.00.

GEISHA (Peony-flowered).—Scarlet and gold. A very striking color combination. Giant flowers on long wiry stems. Each, 50c; 3 for \$1.50.

CACTUS.—Flowers are fully double, with long twisted petals, terminating in points. Some have petals almost straight,—others gracefully incurved.

PEONY-FLOWERED.—Semi-double flowers, with open centre, the inner petals being usually curled or twisted; the other, or outer petals, being either flat, or more or less irregular.

J. H. JACKSON (Cactus).—Rich velvety maroon. One of the best of the so-called black dahlias. Large flower; free bloomer. Each, 40c; 3 for \$1.00.



King of the Autumn.

The Newer Dahlias

CREATION. (Peony-flowered).—A novelty of exceptional merit. Color is unique, being cherry-red, shaded golden-bronze. Strong stem. Highly recommended. Each, \$1; 3 for \$2.50.

INSULINDE (Decorative).—Color, deep orange. Fine large bloom, borne on a long stiff stem. Very free flowering. Each, \$1.00; 3 for \$2.50.

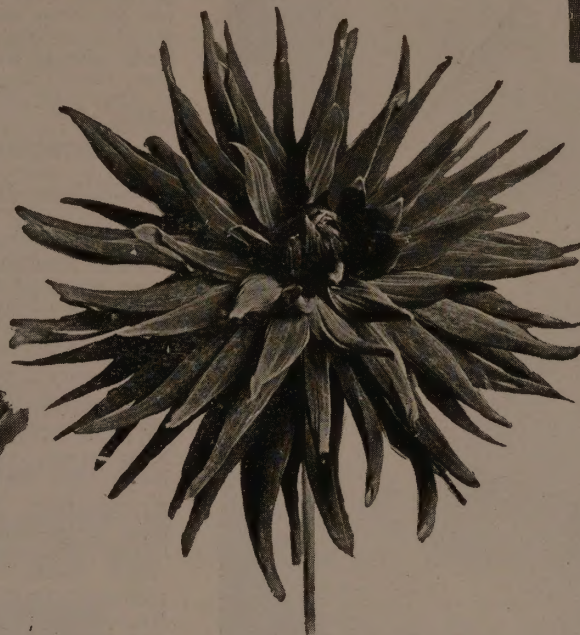
KING OF THE AUTUMN (Decorative).—An exceptional Dahlia. This is the fourth successive year we have listed this magnificent Dahlia. It has proven itself worthy of a foremost place among the world's best Dahlias, and we predict it will hold its position as the best in its color, for years to come.

"King of the Autumn" seems particularly well adapted to Canadian gardens. Our own trials, and those of many of our customers who have grown it, have proven that it is practically in a class by itself. It commences to bloom early, and continues over a long period. Its strong, stiff stems, 12 to 18 inches long, support its large, magnificent flowers, well above the foliage. The coloring of its blooms is quite new, being a beautiful bronze-amber, slightly tinged old rose. This variety was originated by Mr. H. Hornsveld of Baarn, Holland, a hybridizer of world renown, who considers this fine Dahlia one of his greatest triumphs. Price, each, 50c; 3 for \$1.25; dozen, \$4.50.

SALMONEA (Peony-flowered). Award of merit R. H. S., 1922. This grand new Dahlia has been awarded highest honors wherever shown. Its color is most pleasing, being of a beautiful soft salmon. Blooms are almost double, of perfect form, and are borne on long stiff stems, well above the foliage. A free-flowering variety. Splendid for cutting. Each, \$1.00; 3 for \$2.50.

WHITE QUEEN (Cactus).—A pure white variety, with beautifully formed flowers, having long fluted petals. Plant is of vigorous growth, very floriferous, and holds its flowers very erect on long stiff stems. Each, \$1.00; 3 for \$2.50.

XARIFA (Decorative).—A new variety, with fine flowers of brilliant sealing-wax red. Each, 75c; 3 for \$1.85.



Cactus Dahlia

KING ALBERT (Decorative).—Magnificent, large, finely formed, rich royal purple flower. Strong, vigorous grower, and free bloomer. Each, 40c; 3 for \$1.00.

PRINCESS JULIANA (Decorative).—A fine, pure white, suitable for all purposes. Very early. Hold its lovely flowers well above the foliage. Each, 30c; 3 for 75c.

PRINCESS MARY (Decorative).—One of the showiest pink varieties. In color it is a vivid light pink, margined blush. Carries a mass of flowers on strong stems, and is especially valuable for cutting. Each, 40c; 3 for \$1.

SUNSET (Peony-flowered).—One of the best of the bronzy autumn shades,—yellow at base, shading to bright apricot. Full and free. Long stiff stems. A fine garden variety. Each, 60c; 3 for \$1.00.

MRS. WARNAAR (Cactus).—A variety of unusual merit. Flowers are of mammoth size, fine form and substance. Color, creamy white, faintly suffused apple blossom pink. Petals peculiarly curled and twisted. Each, 60c; 3 for \$1.50.

WINSOME (Cactus).—Pure white with long twisted incurved petals. Each, 30c; 3 for 75c.



Assortment of Dahlia Types

Superb



McDONALD'S SUPERB GLADIOLUS MIXTURE.

We unhesitatingly recommend this magnificent blend. It is composed of a splendid assortment of standard varieties, well balanced as to colors. Many of the choice named sorts listed above, are to be found in this splendid mixture, and in offering it to our customers, we do so with the confidence that entire satisfaction will result. Doz. 60c; Per 100, \$4.00.

Montbretias

These sun-loving bulbous flowers are produced in vivid shades of yellow, orange, and red. In appearance they resemble small Gladioli. They bloom from August to October, and are invaluable for clump planting in the border. Excellent also, for cutting. Hardy with slight protection. Superb Mixture,—Price, per doz., 40c, per 100, \$3.00.

The development of the Gladiolus during the past few years, has been so rapid that most of the older sorts have been entirely discarded. In their place we have a collection of the most astonishing and delightful hybrids, and seedings of delicate and decided colorings, and of immense proportions. They are exceedingly showy and attractive in the garden. For indoor display, the Gladiolus becomes one of the most charming and lasting of decorative cut flowers.

In compiling our list of varieties, great care has been taken to offer only the best sorts in the Gladiolus world—the range of colors being well covered.

We cannot emphasize too strongly the merits of this magnificent flower for Summer and Fall bloom. No flowers are more easily grown, and with a minimum of care, success is assured.

CULTURE—Set bulbs 4 inches deep and 4 to 6 inches apart in the rows. They may be planted with safety any time after May 1st. Almost any soil or situation suits them, but rich, well drained soil, and good culture will amply repay the grower; as the season of bloom is somewhat short, it is advisable to hold some bulbs in reserve and make successive plantings about 10 days apart for succession of bloom. By this method, flowers may be had until first frost, when bulbs should be dug, dried off in a cool place, and when ripe, should be stored until next season. To prevent damage to plants by winds, etc., they should be supported by light stakes.

PRICES INCLUDE CARRIAGE CHARGES.

AMERICA.—Delicate, soft lavender-pink. Its immense, wide open flowers are set close on a long straight spike. Very beautiful. Each, 10c; dozen, 90c; per 100, \$5.75.

ANNA EBERIUS (New).—Deep rose, overlaid deep carmine rose. Lower petals blotched deep carmine; throat blood red. Flowers of immense size, well set on long strong spikes. One of the newer sorts which has created a sensation wherever exhibited. Each, 30c; dozen, \$3.00.

AUGUSTA.—Pure white, lavender anthers. Each, 8c; doz, 75c, per 100, \$4.50.

BARON JOSEF HULOT.—One of the finest dark blues. Rich velvet, violet-blue, shading to reddish purple in throat. Each, 15c; dozen, \$1.50; per 100, \$10.00.

BLUEBIRD (New).—A most attractive variety. Flowers, light violet-blue, the lower petals bearing a pretty feathering of rich purple. Well opened flowers, well placed on good spikes. Each, 30c; dozen, \$3.00.

BRIMSTONE.—A nice clear shade of pale sulphur-yellow. Each, 15c; dozen, \$1.50; per 100, \$10.00.

EMPRESS OF INDIA.—A rich dark shade of plum-violet, shaded darker at tips. Probably unexcelled in its color. Each, 10c; dozen, 90c; per 100, \$5.75.

EVELYN KIRTLAND.—A beautiful shade of rich orange-pink, darker at edges and shading to dark shell-pink at centres of petals and throat. Lower petals blotched scarlet. An extremely fine novelty. Each, 20c; dozen, \$2.00.

FLORA. Considered by many the best pure yellow. Large open flowers of fine form and substance. Each, 15c; doz., \$1.50.

GLORY OF HOLLAND.—Pure white. Large flower. Each, 10c; dozen, 90c; per 100, \$5.75.

GOLDEN WEST.—Fine exhibition sort, clear orange-scarlet; lower petals blazed with golden-yellow. Individual flowers of large size. Very showy. Each, 15c; dozen, \$1.35; per 100, \$9.50.

GOLIATH.—Dark wine-red with purplish sheen. An exceptionally fine garden variety. Robust grower. Each, 15c; dozen., \$1.50; per 100, \$10.00.

HALLEY.—A most attractive early-blooming sort of delicate salmon-pink. Large, open lily-like flowers similar in type to the popular Mrs. Francis King. Each, 8c; dozen, 75c; per 100, \$4.50.

LA LUNA.—Creamy-white, faintly shaded pink on upper petals. Lower petals blotched deep blood red. Fine. Each, 15c; dozen, \$1.50.

LE MARECHAL FOCH.—A shade brighter than America, with the earliness of Halley. One of the largest in existence. Each, 20c; dozen, \$2.00; per 100, \$14.00.

LIEBESFEUER.—A most beautiful scarlet. Large brilliant flowers and many open at one time. Each, 15c; dozen, \$1.50; per 100, \$10.00.

L'IMMACULEE, (New).—Pure white, wax-like flowers, good keeper. Each, 20c; dozen, \$1.75; per 100, \$10.00.

Gladioli

LOVELINESS.—One of the most delightful sorts we have ever grown. Color is light creamy-yellow, with a faint rosy glow in the centre. Flowers large with many open at one time. We have no hesitation in recommending Loveliness. Each, 15c; dozen, \$1.35; per 100, \$9.50.

MARY PICKFORD.—Creamy white blending to soft sulphur-yellow Award of merit, R. H. S. 1920. Each, 40c; dozen, \$4.00.

MRS. FRANCIS KING.—Beautiful flame-pink. Immense flowers borne on spikes 4 feet long. Each, 10c; dozen, 90c; per 100, \$5.75.

MRS. FRANK PENDLETON, JR.—Probably the most exquisitely colored and formed Gladiolus in our list. Color,—a delicate flushed salmon-pink, enhanced by a rich maroon blotch on the three lower petals. Each, 10c; dozen, 90c; per 100, \$6.00.

ODIN.—Deep pink with rich carmine blotch. Each, 15c; doz., \$1.35; per 100, \$9.50.

ORANGE GLORY.—Fine ruffled orange with lighter throat. Flowers are large, wide open, and well placed on a tall graceful spike. Each, 40c; dozen, \$4.00.

PARLIAMENT.—Beautiful salmon-rose. Extra fine variety. Each, 20c; doz., \$2.00.

PANAMA.—A grand rosy variety,—winner of many prizes. Each, 10c; dozen, 90c; per 100, \$6.00.

PEACE.—An extra fine late white with pale lilac feathering on lower petals. Extra strong grower. Each, 10c; dozen, 90c; per 100, \$5.75.

PINK PERFECTION.—Delicate apple blossom pink, striped white through centre of petals, and feathered rose at borders of petals. Each, 10c; dozen, 90c; per 100, \$5.75.

PRIDE OF HAARLEM (New).—We consider this one of the brightest and most pleasing sorts introduced to date. Color, an exquisite shade of salmon cherry red, shaded with fawn. Each, 50c; dozen, \$5.00.

PRINCE OF WALES. A rare and delicate shade of Apricot with yellow centre. A novelty of great value. Each, 10c; dozen, 90c; per 100, \$6.00.

PRINCEPS.—Rich deep scarlet, with broad white blotches across the lower petals. Very large and distinct. Flowers resemble those of an Amaryllis. Each, 12c; dozen, \$1.20; per 100, \$8.00.

RED EMPEROR.—Glistening cardinal red. Lighter on upper than lower petals with a faint reticulation of white in the throat. A fine red. Each, 20c; dozen, \$1.75; per 100, \$11.00.

SCHWABEN.—Canary-yellow, with blotch of garnet in throat. Very large and strong. Each, 10c; dozen, 90c; per 100, \$6.00.

WAR.—Deep blood red, shaded crimson-black. Large open flowers, well placed on spike. Tall and graceful. Highly recommended. Each, 15c; dozen, \$1.50; per 100, \$10.00.

WILBRINK.—Immense blooms of a delightful flesh pink. Early. A sport of Halley. Each, 10c; dozen, 90c; per 100, \$6.00.

WILLY WIGMAN.—A most attractive Gladiolus,—soft rose with a blood red blotch. Handsome wide open flowers. Each, 12c; dozen, \$1.20; per 100, \$8.00.

YELLOW HAMMER.—Pure yellow. A good variety. Each, 12c; dozen, \$1.20; per 100, \$8.00.



Loveliness.

Gladioli—Primulinus Hybrids

These new hybrids are fast growing in popular favor. Their flowers, though smaller than the Gandavensis type, are so light and graceful that they lend themselves admirably to house decoration. No other race of Gladioli displays such a wide range of beautiful pastel shades. Excellent for border planting.

ADA.—The nearest approach to white in this section. Color,—satiny white with pink blotch in throat. Distinct and attractive. Each, 20c; doz., \$2.00.

ALICE TIPLADY.—Clear, pale, canary-yellow, shaded deeper at bases. Carmine half circle deep in throat. A very pretty variety. Each, 30c; doz., \$3.00.

ASIA.—Fine live color, being a rich cerise, inside silvery rose with pale base. Finely shaped flowers on long graceful stems. Each, 20c; doz., \$2.00.

MAIDEN'S BLUSH.—Color,—beautiful, delicate pink. Stems, tall and slender. A variety unsurpassed for cutting purposes. Each, 20c; doz., \$2.00.

ORANGE BRILLIANT.—An extra fine variety with tall spikes, bearing well placed medium-sized blooms of brilliant orange color. Very effective for house or garden decoration. Each, 15c; doz., \$1.50.

PRIMULINUS HYBRIDS, MIXED.—This mixture is made mainly from named standard sorts, and will produce a delightful display of bloom in the most exquisite shades of yellow, orange, apricot, rose, and bronze. Per doz., 60c; per 100, \$4.50.

McDonald's Harmony Gladiolus Collection

\$1.00 Postpaid

One each of the following eight Gladioli,—all real beauties,—gems of the Gladiolus world:—Each bulb will produce blooms of rare coloring and graceful form. Every bulb distinctly labelled, and of strictly first size:—

Baron Josef Hulot—Violet-blue.	Loveliness—Creamy yellow.
Bluebird—Light-blue.	Parliament—Salmon-rose.
Empress of India—Plum-violet.	Mrs. Frank Pendleton, Jr.—Salmon-pink.
Flora—Pure yellow.	
Le Marechal Foch—Pink.	

ONLY ONE DOLLAR, SUPPLY LIMITED—ORDER EARLY.



McDonald's Superb Mixed Gladioli

McDonald's

No garden can be called complete without at least some of these most useful plants. Their permanency, their brilliancy when in bloom, and their ability to lend themselves equally well to the landscape, or to decorative work as cut flowers, make them almost indispensable. These hardy, herbaceous plants supply abundant bloom from Spring till Autumn, die down each winter, and with the advent of Spring, they burst into growth, and welcome the growing season with a wealth of bloom and foliage. They require little care,—cultivation, and the cutting away of dead flowers being practically all that is necessary. They thrive in any good garden soil, although a deep spading, with the application of rotted manure, or commercial fertilizer, before planting, will ensure luxuriant growth. We offer hereunder, a number of hardy herbaceous plants. To facilitate planning, period of bloom and height are given. All plants offered, are raised at Maplewood, and are strong, field-grown stock. Price unless otherwise stated, 3 for 60c; dozen, \$1.75, carriage prepaid.

ACHILLEA PTARMICA fl. pl.—Pure white double flowers, borne in graceful sprays. June to October. 2 feet.

ACONITUM FISCHERI (Monkshood).—Bushy plants. Flowers, large, pale blue. Sept. to Oct. 2 feet. 25c each; \$2.50 doz.

ANCHUSA ITALICA, Dropmore Variety.—One of the best summer-flowering perennials, producing a mass of small, brilliant, blue flowers on fine bushy plants. June to July. 4 feet. Each. 25c; doz., \$2.50.

AQUILEGIA (Columbine).—Old garden favorites. Indispensable for the herbaceous border, or for shady spots where most plants cannot grow. The hybrids we offer, are long-spurred, and comprise many new and beautiful shades of white, yellow, blue, and lavender.

HARDY ASTER (Michaelmas Daisy).—Showy plants, of easiest culture, producing a wealth of beautifully colored bloom in late Summer and Fall. Sept. to Oct. 2 to 5 feet. Mixed varieties. Each, 25c; doz., \$2.50. Splendid named sorts,—our selection,— Each, 30c; doz., \$3.00.

BELLIS PERENNIS, (English Daisy).—Well-known low-growing plants for borders, beds, or edgings. Flowers, double, white and pink shades predominating. 3 to 5 inches. May to July. In finest mixture.

CAMPANULA (Bellflower).—Indispensable biennial and perennial garden flowers, classed amongst the most beautiful of hardy plants.

Carpatica (Carpathian Harebell).—Valuable, low-growing perennial plants for border, or rockery. Flowers, white and blue, in mixture. 9 inches. June to Oct.

Medium (Canterbury Bells).—Mixed blue, rose, and white, June to July. Biennial. One of the most popular. Fine mixture.

Persicifolia (Peach Bells).—A noble border plant, with handsome spikes of showy blue and white flowers. 2 feet. June to July.

CHRYSANTHEMUM MAXIMUM—Shasta Daisy—Allied to the well-known ox-eye daisy, but flowers are much improved, and of enormous size. Centre of flower is yellow, with long, wide, white petals 2 feet. July to August. Each, 25c; doz., \$2.50.

COREOPSIS LANCEOLATA GRANDIFLORA.—Large golden yellow flowers, well suited for garden decoration, or for cutting. 2 to 3 feet. Blooms all summer. One of the most popular hardy plants.

CONVALLARIA MAJALIS (Lily of the Valley).—This sweet-scented, popular plant, with its white, wax-like, fragrant bells, is well-known to everyone. Does well in shady places.



Hollyhock—Chaters Double

DIGITALIS, GLOXINIAEFLORA MIXED (Foxglove).—Old-fashioned, and dignified garden favorites, with tall spikes of bell-shaped flowers, borne well above the foliage. 2 to 4 feet. July to September. Does well in partial shade or full sun.

GAILLARDIA, GRANDIFLORA (Blanket Flower).—Flowers in rich and brilliant colors of orange, crimson, and red. Of much value for border planting, and cutting. June to October. 2 feet.

GYPSOPHILA (Baby's Breath).—An excellent hardy border plant, as well as being of great value for cut flower purposes. Its masses of minute white flowers present a charmingly elegant appearance. 2 to 3 feet. July to August.

Gypsophila Paniculata.—Pure white. Excellent in combination with other cut flowers.

Gypsophila fl. pl.—A new variety with double flowers. Each, 25c; doz., \$2.50.

HELENIUM (Sneeze Wort).—Vigorous growing hardy border plants, blooming in late summer and autumn. 2 to 4 feet.



Campanula

DELPHINIUM (Hardy Larkspur).—The tall, and stately Delphiniums of to-day, far surpass the older varieties, in graceful habit, size, and freedom of bloom. They supply a wealth of blue throughout the season, which would be sadly lacking without these magnificent plants. 3 to 5 feet. They do best in a rich, well-manured soil. If spikes are cut when through blooming, in June or July, others will spring up in their place, thereby greatly lengthening the blooming season.

We hope to be able to offer next Autumn, a very complete list of the finest named Delphiniums. For the present, can offer strong plants, in extra fine mixture, grown from seed of the finest named sorts, at 25c each; dozen, \$2.50.

DIANTHUS BARBATUS (Sweet William).—One of the most brilliant garden plants, producing in Summer, great masses of bloom, in rich, and varied shades.

PINK BEAUTY—Pretty shade.

CRIMSON SHADES.—Dark and rich.

FINE MIXTURE—All colors.

DIANTHUS DELTOIDES (Maiden Pink).—Charming, creeping variety, with pink flowers. Makes a good edging, or rock garden plant.

DICENTRA SPECTABILIS (Bleeding Heart).—An old favorite. Long racemes of graceful heart-shaped, pink flowers 1 to 2 feet. May to June. Does well in shade. Strong plants. Each, 50c; dozen., \$5.00.



Delphinium Hybridum

Hardy Plants

HELIANTHUS, MISS MELLISH.—This hardy sunflower attains a height of 6 feet, and supplies a mass of long-stemmed golden-yellow, single flowers in September. Should be planted at rear of border, giving it plenty of room.

HELENIUM, RIVERTON BEAUTY.—Lemon-yellow flowers, with large dark disc in centre.

HELENIUM RIVERTON GEM.—Beautiful old-gold, changing to wall-flower red.

HEMEROCALLIS, (Day Lily).—Lily-like flowers, with tall, graceful, leaves. Valuable for planting in perennial border. They delight in partial shade. Each, 25c; doz., \$2.50.

DR. REGEL.—Flowers, golden yellow; 1½ to 2 feet. June to July.

FLAVA.—Deep, lemon-yellow. 2 to 3 feet. June to July.

GOLD DUST.—Bright yellow. 2 to 3 feet. May to June.

THUNBERGI.—Deep lemon-yellow. July. 3 to 4 feet.

HOLLYHOCKS.—These universal favorites produce tall spikes of showy flowers, in the most lovely shades. They are especially valuable for their bold effect when planted among shrubs, or at the back of the border. They attain a height of from 6 to 8 feet. July to Sept. Each, 25c; dozen, \$2.50.

DOUBLE HOLLYHOCKS.—We can supply fine plants in the following colors.—Double white, yellow, pink, rose, crimson, and all colors mixed.

SINGLE HOLLYHOCKS. All colors mixed.

LATHYRUS LATIFOLIUS (Everlasting Pea).—Vigorous climbers, of great value for covering arbors, fences, trellises, etc. Flowers resemble those of the well-known Sweet Pea, but are lacking in fragrance. Mixed colors.

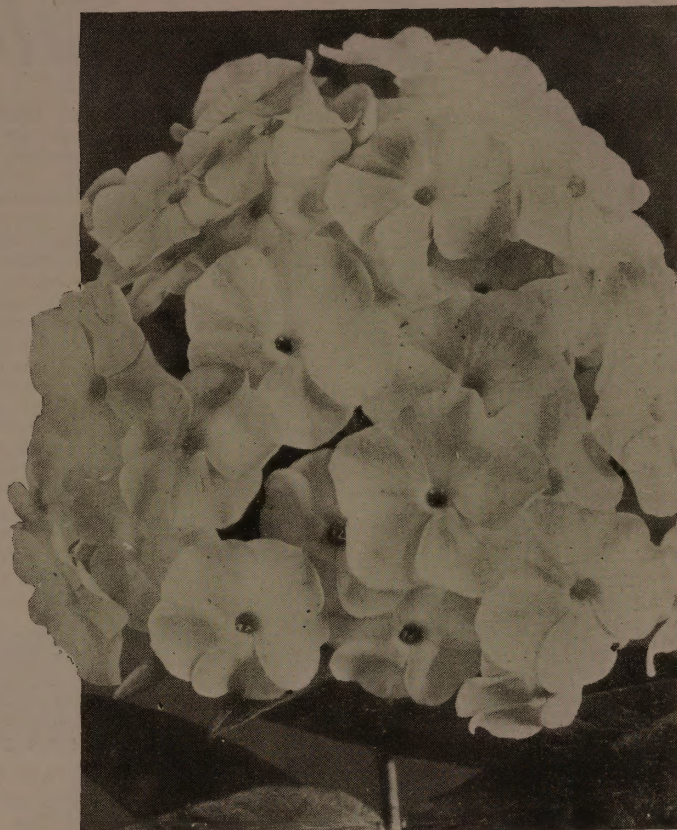
LYCHNIS CHALCEDONICA (Jerusalem Cross).—Hardy perennial plants, with brilliant orange-scarlet heads of bloom. Should be planted in bold, conspicuous masses. 3 feet. June to July.

PANSY (Royal Exhibition Mixed)—Grown from our finest strains of seed. Flowers large and richly colored.

PAPAVER NUDICAULE (Iceland Poppy).—Neat, dwarf, very hardy plants, which commence blooming in early Spring, and continue throughout the entire season. Flowers, orange, scarlet, white, and yellow. 1 foot. Mixed colors.

PAPAVER ORIENTALE (Oriental Poppy).—No flowers are more striking than the Oriental Poppy. Flowers range from silvery white, pink, and salmon, to orange-scarlet, and crimson. 2½ feet. May to June. Superb Mixed. Each, 25c; dozen, \$2.50.

PAPAVER ORIENTALE MRS. PERRY.—A beautiful shade of salmon pink. Each, 25c; dozen, \$2.50.



Hardy Phlox
Elizabeth Campbell

Hardy Perennial Phlox *Phlox Decussata*

Hardy Phloxes are indispensable in the garden during Summer and Fall. No other hardy plants compare with them in brightening up the garden at a period when there is little else to bloom that can be depended upon. The increased use of hardy Phloxes for beautifying the home grounds, has led to a more intimate appreciation of their usefulness for indoor decoration. Practically all shades of color from purest white to deepest purple are available, and these delicate blooms will furnish abundant decorative material for a long period of time. Phloxes are hardy, easily grown, and not at all particular as to soil. They should be planted in a fairly open situation and for best results should be well manured. During very hot, dry weather, a good soaking of water will benefit them greatly. They may be planted from April to early June, and from early to late Fall. Price, each, 25c; dozen, \$2.50, delivered.

BARON VON DEDEM.—Cochineal red, shaded salmon. Large truss.

CLARA BENZ.—Lovely carmine-rose with white eye. Violet-blue halo.

COQUELICOT.—Bright orange-scarlet with crimson eye. Very effective.

ECLAIREUR.—An old favorite. Bright rosy-carmine, clearly defined crimson eye, surrounded with light halo.

ELIZABETH CAMPBELL.—One of the most lovely Phloxes in existence. Immense trusses of light salmon-pink flowers, changing to delicate light pink in centre. Individual flowers are very large.

F. VON LASSBURG.—Large snow-white flowers. Extra fine.

GEN. VON HEUTZ.—Intense salmon-red; white eye. Extra good.

LE MAHDI.—Deep violet-purple. Singular color. Very effective.

MADAME PAUL DUTRIE.—Very soft delicate pink, suffused white. Fine.

RICHARD WALLACE.—An extra fine variety. Pure white with bright crimson eye. Tall grower.

RYNSTROOM.—Beautiful clear pink. Immense trusses. Flowers very large.

EARLY FLOWERING PERENNIAL PHLOX (PHLOX SUFFRUTICOSA)—A distinct class, commencing to bloom fully a month earlier than the foregoing "Decussata" class. Range of color somewhat limited.

BELLE PYRAMID (Suffruticosa)—Lilac-red, with white shades. Very early.

MISS LINGARD. (Suffruticosa)—White, faint lilac eye. Very early.

MCDONALD'S SUPERB PHLOXES, MIXED.—This splendid mixture is made from named varieties, carefully blended to give a wide range of color. Price, 3 for 50c; doz., \$1.50; per 100, \$10.00.

RUDBECKIA, LACINIATA, (Golden Glow).—Well-known plant with double golden-yellow flowers, borne in great numbers from June to Sept. 4 to 8 feet.

RUDBECKIA NEWMANNI.—Dark orange flowers with purple cone.

RUDBECKIA PYRUREA (Giant Purple Cone Flower).—Reddish purple flowers, with large cone of brown.

YUCCA FILAMENTOSA (Adam's Needle).—Highly ornamental foliage and flowering plant, with broad sword-like leaves, and immense heads of fragrant white flowers. 4 to 6 feet. June to July. Strong plants, Each, 50c; doz., \$5.00.



Hardy Phlox
Richard Wallace

Superb Tall Bearded Irises

The refined beauty and delicate fragrance of these "Orchids of the Garden" never fails to attract attention. Recent developments in the improvement of these, the most delicately colored of hardy garden flowers, have been truly remarkable, and a real treat is in store for those who come to know the modern Iris. Their wide range of coloring includes whites, mauves, blues, purples, reds, rich yellows, and beautiful bronzes, in almost every conceivable combination.

During recent years, we have devoted considerable attention to the growing of fine Irises. Our collection is very complete, (over 180 varieties) the best of the standard sorts as well as many of the newer introductions being carried.

There has just been published by the American Iris Society (of which we are members), the results of a vote by a jury composed of twenty-three foremost Iris experts,—the object being to score varieties according to their merit. The results may be summed up as follows,—based on a possible of 10,—under 6.0 poor, 6.0 to 8.0 good to very good, 8.5 fine, 9.0 extra fine, over 9.0 almost perfect. We have eliminated from our list, all varieties scoring under 6.0, and replaced them with newer sorts decidedly superior, thereby offering our customers a thoroughly up-to-date selection of Iris. Ratings follow variety, introducer, and year.

GUARANTEE—Irises carry the same guarantee as do our Peonies.

In descriptions, 'S' refers to the three upright standards; 'F' to falls or drooping petals.

Prices unless otherwise noted, 3 (of a kind) for 50c, dozen, \$1.75. All Irises are delivered prepaid.



Moliere.

7010. ALBERT VICTOR. 7.9—"S" soft blue. 'F' beautiful lavender. Large and fine. 40". Each, 30c; 3 for 75c.

7015. ALCAZAR. (Vilm. 1910) 8.9—A giant in flower and growth. Color unique and of great richness. 'S' light bluish violet. 'F' deep purple with a bronze-veined throat. One of the most magnificent and striking. 36". Each, \$1.00; 3 for \$2.50.

7020. AMAS. Syn. Macrantha. 7.8—"S" rich blue. 'F' deep purple-violet. Flowers very large, of fine texture and great substance. 24". Each 40c; 3 for \$1.00

7025. AMBASSADEUR. (Vilm. 1920) 9.4—"S" reddish violet. 'F' broad and deep velvety-purple. Large blooms of the Dominion class. Beard yellow. An exceptionally fine variety and superior to anything in its color. Award of merit, Royal Horticultural Society, June, 1921. Each, \$4.00; 3 for \$10.

7030. AMBIGU (Vilm 1916) 8.3—Novel coloring, flowers well formed. 'S' bright smoky red. 'F' velvety brownish red with yellow beard. Semi-dwarf. 23". Large flower. Each, 75c; 3 for \$1.85.

7035. ARCHEVEQUE (Vilm 1911) 8.3—One of the most beautiful irises in our collection. 'S' deep purple-velvet. 'F' rich deep velvety violet. An extremely rich piece of color. Each, 75c; 3 for \$1.85.

7050. BALLARINE (Vilm 1920) 9.4 — Immense flowers. 'S' light violet-blue, frilled at edges. 'F' slightly darker. A very fine variety. Each, \$4.00; 3 for \$10.00.

7065. BRIDESMAID (Salter 1859) 6.0—"S" white, shaded silvery lilac. 'F' reticulated at the base and slightly frilled soft lilac. Very handsome. 29". Each, 40c; 3 for \$1.00.

7080. CANDELABRA (Vilm 1911 6.6—"S" long, erect, bright violet with both lighter and darker shadings. 'F' rich, dusky violet. Richly colored. 33". Each, 30c; 3 for 75c

7085. CAPRICE (Vilm. 1904) 7.5—"S" rosy red. 'F' deep rosy red. Yellow beard. Very handsome. 24". Each, 30c; 3 for 75c

7090. CHERUBIM (Vilm. 1911) 6.8 — Semi-early. Immense flowers with all divisions very broad. 'S' pinkish heliotrope on white giving a general effect of pale pinkish heliotrope with a golden sheen at base. 'F' white tinted and broadly veined deeper pinkish heliotrope. Base deeply veined vinous mauve. Each, 50c; 3 for \$1.25.

7095. CLIO 7.3—"S" Lavender passing to white. 'F' rich velvety violet. Each, 30c; 3 for 75c

7100 CLUNY (Vilm 1920) 8.6 — Early Flowers very large. 'S' of delicate lilac blue, 'F' shaded deeper. Very distinct and beautiful. Each, \$2.00; 3 for \$5.00.

Culture.

No flowers are more easily grown. Plant shallow in any good well-drained garden soil. If soil is deficient in lime, a small quantity should be added to sweeten the soil and prevent rot. Irises succeed in moderately moist ground, but enjoy getting thoroughly dry after the flowering period. They reach their dormant state during August and September, after which they begin to make root growth.

Planting may be done either in Spring or Fall,—the earlier the better in Spring. Planting may safely be done through the Fall until the ground freezes.

All Irises we offer, endure our severe winters at Ottawa, although we usually cover plants lightly with litter or loose straw where late planting is necessary. Japanese varieties should receive some protection.

7115. CREPUSCLE (V. Verdier, 1863) 6.0—Large violet-blue flowers, lightly marked at base. Each, 30c; 3 for 75c.

7130. DEJAZET (Vilm. 1914) 8.3—Late Enormous flowers with broad divisions. 'S' bronze-rose with golden sheen; 'F' bright reddish violet with brownish shadings. Beard yellow; style-arms brownish yellow. Haft veined brown. One of the most beautiful. Each, \$1.50; 3 for \$3.75.

7145. DR. BERNICE 7.4 — 'S' coppery bronze. 'F' velvety crimson. Very large and beautiful. 24". Each, 25c; 3 for 60c.

7165. EDOUARD MICHEL. (Verdier 1904) 8.6—A grand iris of imposing appearance. Tall spikes with large flowers finely held and of splendid shape; the standards broad and frilled; Falls thick, broad, and fluted. Self-colored flowers of a distinct claret-red,—close in color to Caprice. Rather poor grower. Each, \$2.00; 3 for \$5.00.

7175. ELDORADO, (Vilm. 1910) 7.8—Very beautiful and pleasing. 'S' Yellowish bronze, shaded with heliotrope. 'F' bright purple, shaded bronze. Unique coloring. Each, 40c; 3 for \$1.00.

7190. FLAVESCENS. (De Candolle) 7.0—A delicate shade of soft yellow; large sweet-scented flowers; fine for massing, and valued for cutting in early May and June. 30".

7195. FLORENTINA. 7.6—Flowers, white, faintly shaded with the palest of grey. Exquisitely beautiful. 24". Fine for cutting.

7215. GRACCHUS. (Ware 1884) 6.1—Early. 'S' Primrose. 'F' veined and shaded purple.

7220. GREVIN. (Vilm. 1920) 8.5—Flowers large. 'S' violet and yellow. 'F' deep violet with yellow veining. Styles yellow. 26". Each, \$1.00. 3 for \$2.50.

7235. HER MAJESTY. (Perry 1903) 7.3—"S" lovely rose pink. 'F' bright crimson, tinged a darker shade. The blending, tints, and coloring are rare for an Iris.

7250. IRIS KING. (G. & K. 1907). 7.9—A cross between Pallida Dalmatica and Maori King. Very large, massive flowers. 'S' lemon yellow; 'F' very broad, rich, and bright velvety crimson-maroon, margined with yellow. Each, 60c; 3 for \$1.50.

7245. INNOCENZA. (Lemon 1854) 7.1—"S" and 'F' Ivory-white—crest rich golden. Very delicate and beautiful. Each, 30c; 3 for 75c.

7251. ISOLENE (Vilm. 1904) 8.6—Most unusual and strangely attractive, this flower must be seen to be appreciated as it is impossible to adequately describe its peculiar quality of coloring. Standards of dull, clouded pinkish-lilac. Falls old rose, suffused purplish, and shot with coppery gleams that seem to converge in the distinct "old-gold" beard. Blooms are large, well formed, and of great substance, with long drooping Falls, and the plant is tall and vigorous in habit with leaves of unusual size. Each, 75c; 3 for \$1.85.

OPERA (Vilm. 1916) 8.7. This distinct and most attractive Iris always stands out conspicuously in the border. 'S' bright reddish lilac. 'F' purplish violet. Very deep and velvety. Flowers large. Highly recommended. Each, \$1.50; 3 for \$3.75; doz., \$12.50.

7260. JACQUESIANA (Lemon 1840) 8.0—Coppery-crimson. 'F' maroon. Very distinct. Each 30c; 3 for 75c.

7265. JEANNE D'ARC. (Verdier 1907). 7.8—A lovely Iris. Semi-early. 'S' very large, ruffled, spreading after the manner of the Japanese; white border, very delicately pencilled bright lilac. 'F' pure white, bordered lilac at base. 31". Each 30c; 3 for 75c.

7280. KHARPUT. (Syn. Italia). 7.4—'S' violet. 'F' deep purple-violet, beard white. A large flower with long Falls. Very fine. 30". Each, 30c; 3 for 75c.

7285. LA NEIGE (Verdier 1912) 8.3—A pure white Innocenza without the throat veinings of that variety. Clear yellow beard. Each, \$1.00, 3 for \$2.50.

7286. LOHENGRIN (G. & K. 1910) 8.2—Large flowers. A real beauty. 'S' and 'F' uniform soft shade of cattleya-rose. Each, 30c; 3 for 75c.

7287. LENT A. WILLIAMSON, (Williamson 1918) 9.6—Standards very broad, soft campanula violet. Falls very large velvety royal purple. Golden beard. Extra large flower. Strong grower. Magnificent. Awarded highest rating of any variety by American Iris Society. Each, \$5.00.

7300. MME. CHEREAU. (Lemon 1844) 7.4—'S' white, edged blue. 'F' large, frilled blue. One of the best. 32".

7310. MAGNIFICA. (Vilm. 1920) 9.1—Strong grower. 'S' clear violet-blue. 'F' very long reddish violet, striped brown at base. Yellow beard. Very fragrant. This plant is exceptionally striking owing to the grandeur of its flowers which are probably the largest of all Iris. Each, \$4.00; 3 for \$10.00

7311. MAORI KING. (Ware, 1890) 6.1—'S' rich golden yellow. 'F' velvety crimson, margined gold. 18".

7315. MEDRANO. (Vilm. 1920) 8.5—Very large flowers. 'S' rich smoky red. 'F' violet red with heavy stripe at edge. Beard yellow. Very fine combination of colors. 24". Each, \$1.50; 3 for \$3.75.

7325. MOLIERE. (Vilm. 1920) 8.5—Early. Large flower, 'S' rich violet. 'F' deeper violet of rich velvety texture. Brownish veins at haft. 27". Each, \$1.50; 3 for \$3.75.

7335. MONSIGNOR (Vilm. 1907) 8.4—Quite distinct; a very beautiful piece of rich coloring. 'S' violet. 'F' a ground work of the same shade but richly overlaid and veined (except for a broad margin), with deep purple. Each, 50c; 3 for \$1.25

7340. MRS. GEORGE DARWIN (Foster, 1897) 6.0—A lovely hybrid. 'S' white; the upper part of the Fall reticulated gold and violet. Orange beard. 24".

7344. MRS. WALTER BREWSTER. (Vilm.) (New).—This superb new hybrid Iris was recently awarded a certificate of merit by the French National Horticultural Society. The plant is a vigorous grower and extremely floriferous, each stiff branching stem oftentimes bearing as many as six lovely blooms. Flowers are of immense size, the standards being of an exquisite shade of lavender-blue. Falls, aniline-blue, the base being veined with brown on a white ground. Height 28". There being but very few plants in existence, of this fine novelty, prices are necessarily high. Each, \$7.50.

7345. MRS. NEUBRONNER. (Ware, 1898) 6.8—Semi-early. A beautiful deep golden. Self color. Very lovely, fine, and rich. 24".

7346. NIBELUNGEN (G. & K. 1910) 7.3—'S' fawn. 'F' violet purple on bronze. After Jacquesiana. A magnificent flower. Each, 50c; 3 for \$1.25.

7350. NUEE D'ORAGE (Syn. Storm Cloud) (Verdier 1905) 7.6—'S' slaty gray. 'F' bronze and purple. Vigorous. Flowers very large. 24". Each, 75c; 3 for \$1.85.

7360. OPERA (Vilm. 1916) 8.7—Vigorous plant, free-flowering. 30". Beautiful habit. Flowers large. 'F' purple violet. Very deep and velvety. Yellow beard. 'S' full bright reddish lilac. This variety always attracts favorable attention. Each, \$1.50; 3 for \$3.75.

7365. OSSIAN. 6.3—'S' pale yellow. 'F' claret red. 24".

7370. PALLIDA DALMATICA. 8.8—An old variety but still unsurpassed in its class. 'S' lavender; 'F' clear deep lavender. 40". Each, 30c; 3 for 75c.

7380. SPECIOSA. 6.3—The great purple or turkey flag. 'S' dark lavender shaded lighter. 'F' shaded light purple. Quite tall. Each, 30c; 3 for 75c

7385. PARC de NEUILLY (Verdier, 1910) 8.1—Semi-early. Large flowers of perfect form. Self-colored deep blue-violet. Very clear, pure, and beautiful. Magnificent spike. Each, 30c; 3 for 75c

7390. PARISIANA. (Vilm. 1911) 7.9—A large flower of good and unusual coloring. 'S' white ground, dotted and shaded lilac-purple. 'F' white frilled at the edge with lilac. 30". Each, 60c; 3 for \$1.50.

7395. PAULINE (Farr 1913) 7.5—'S' and 'F' unusually large. Rich, pansy-violet; deep orange beard; fragrant. 36". Each, 40c; 3 for \$1.00.

7410. PRINCESS VICTORIA LUISE, (G. & K. 1910) 7.2—'S' sulphur yellow. 'F' rich plum, bordered cream. Extra fine, 20". Each, 50c; 3 for \$1.25.

7415. PROSPER LAUGIER. (Verdier 1914) 8.3—A fine plant on the lines of Jacquesiana but with larger flowers and brighter in color. 'S' light bronze-red. 'F' very broad, of the deepest velvety crimson, richly veined at the throat. 30". Each, 75c; 3 for \$1.85

7475. QUEEN OF MAY 7.4—One of the most charming of the "pink" Pallidas. 'S' lilac. 'F' purplish lilac or rose. Large, free, very handsome. Robust and free-flowering. Each, 30c; 3 for 75c;

7476. RAFFET. (Vilm. 1920) 8.1—'S' and 'F' uniform rich dark blue. 'F' striped white at base. Yellow beard. Late. Pleasing shade. 27". Each, \$2.00; 3 for \$5.00.

7508. TURCO. (New) (Vilm. 1921)—Medium late. 'S' beautiful lilac-rose. 'F' yellow washed with blue. Very lovely. Award of merit. French National Horticultural Society. 30". Each, \$4.

7515. VIOLACEA GRANDIFLORA. 8.0—'S' rich blue. 'F' violet blue. Each, 30c; 3 for 75c

7518. ZOUAVE (New) (Vilm.)—Standards soft lilac; Falls are very broad, spreading, finely dotted with light violet and striped at base. Semi-early. Very floriferous. 24". Award of merit French National Horticultural Society. Very scarce. Each, \$5.00; 3 for \$12.50.

BEARDED IRISES IN MIXTURE.

This superb mixture is made wholly from named sorts, of which we have surplus stocks, and can be depended upon to give entire satisfaction. 3 for 40c; doz., \$1.25; per 100, \$9.00.

Dwarf Bearded Irises

Lovely dwarf-growing Irises suitable for edging or border planting. 3 for 50c; dozen, \$1.50.

7430. FIANCEE—Pure white.

7435. AZUREA—Beautiful sky blue.

7440. CYANEA (G. & K. 1899)—Dark blue

7445. EBURNEA (G. & K. 1899)—White, cream shaded.

7450. FLORIDA (G. & K. 1899)—'S' citron yellow. 'F' deeper yellow handsomely veined. recommended. 22".



Opera.

Intermediate Irises

These are mostly hybrids between the Dwarf Bearded and Tall Bearded varieties. Flowers are very large, and finely colored. Bloom after the early Pumilas, and before the later Tall Bearded Iris. Each, 30c; 3 for 75c.

7135. DIAMOND (Caparne 1901) 7.1—Pure white; blue staining on Falls. 18".

7140. DOROTHEA. (Caparne 1901) 7.6—Porcelain white tinged with lilac, a little darker than Reinette. 24".

7125. DAUPHIN. (Caparne 1901) 6.9—'S' rich purple. 'F' dark purple. 18".

7205. FREYA. (Caparne 1901) 6.5—'S' Pearl color. 'F' flamed violet.

7225. HELGE. (G. & K. 1908) 6.6—Lemon yellow, pearly shading. Orange beard. 24".

7240. INGEBORG. (G. & K. 1908) 7.7—The only pure white intermediate in general cultivation. Strong grower. Free bloomer.

7255. IVORINE. (Caparne 1901) 7.3—Ivory-white with gold markings at base of petals. Orange beard.

7500. SARAH. (Foster 1908) 6.9—A charming little hybrid. Flowers delicate pearly white, borne in great profusion. Strongly recommended. 22".



A Profusion of Luxuriant Blooms of Festiva Maxima

McDonald's Superb Peonies

Of all hardy flowers for Canada, Peonies stand well in the foreground. They will live for years even if totally neglected, but like other plants, they will repay the grower for a little attention. Being perfectly hardy throughout Canada, they will withstand our severest winters without injury.

Peony blooms are large, showy, and of various forms; colors ranging through all shades from pure white to deep purple-garnet. Practically all varieties are deliciously fragrant. The foliage is rich and glossy, of a rich deep green color, rendering the plant very ornamental even when not in bloom. No flower is more satisfactory for artistic landscape effect, while for cutting for indoor decoration, the Peony is unsurpassed.

Diseases and insect pests are almost unknown to the Peony. Ants oftentimes are found on the buds, but they do no harm as they are merely after a sweet sticky juice that exudes from the bud.

If a careful selection of varieties is made, Peony blooms may be enjoyed for fully six weeks.

All roots we offer are of our growing. We offer from our extensive collection a very carefully selected list representing the cream of the world's most famous Peony breeders. Many rare varieties are included as well as the best of the standard sorts.

TREATMENT.—The Peony is so easily grown that but little need be said regarding its culture. We use great care in packing, and the roots usually reach our customers as fresh as when dug. If they happen to be slightly shrivelled, immerse them in water for 6 or 8 hours.

Peonies do well when planted in well-drained soil where they will receive full sun, and where the soil will not be impoverished by the roots of trees and large shrubs. Any soil suitable for raising vegetables is good for Peonies. An annual top dressing of manure close to the plants is sufficient. If the soil is poor, better when planting, dig a hole two feet wide and two feet deep, fill in with what when firmly packed, will make nine inches of good well-rotted stable manure, throw in about 5 inches of soil upon which set the root, then fill in, working soil well in about the root. The tops of the buds or "eyes" should be 2 or 3 inches below the level of the soil.

Peonies should not be planted closer than 3 feet apart. While covering in winter is not always essential, a light mulch of straw or strawy manure after the ground is frozen hard, will give protection. In Spring, remove the mulch. Cultivation before blooming is especially beneficial. Peonies are gross drinkers as well as gross feeders, consequently a liberal supply of water before blooming will do much towards finer blooms. When extra large specimen blooms are desired for exhibition purposes, remove the side buds as soon as they appear. This will throw all the strength into the terminal bud. In order to enjoy the most delicate tints, the flowers should be allowed to open in the house, as the sun bleaches the colors. Cut them in the bud just as the guard petals begin to open, and as each bud is cut, drop it into a pail of fresh water. This lengthens the life of the blooms. When cutting flowers, be sure to leave at least two leaves remaining on each stem to insure root growth for another year. Stalks may be cut to the ground after September 1st if desired.

GUARANTEE—We guarantee our stock true to name. Mistakes rarely occur, but when they do we will cheerfully re-fill the order without expense to purchaser. Please bear in mind, however, that many Peonies do not produce typical blooms until plants become well established, which is the third year. Double varieties sometimes throw single blooms first year, fair blooms the second, and fine, typical flowers the third year.

Peonies may be planted any time during the Spring or Fall. Fall planting generally being recommended. With our system of digging each order separately and forwarding immediately after digging, the plants get practically no check provided our customers plant them immediately upon arrival. But, if you have failed to plant in the Fall, do not hesitate to plant in the Spring, since you will have strong established plants the following year, thereby saving practically a full year.

We send out strong roots, grown one or two years since division. These will, in most cases, bloom the year following planting.

Extra heavy clumps of 3 to 4 years old for immediate effect can be supplied at double price. Scarce, high-priced novelties can be supplied only in ordinary sized plants.

We GROW and carry good stocks of all Peonies listed.

Quantity Discounts.—Peony orders of from \$10.00 to \$30.00 in value are subject to 10% discount; over \$30.00, 15% discount.

Prices quoted include carriage charges by parcel post or express at our option.

The figures following variety introducer and year, denote value rating according to the American Peony Society. The valuation is on a scale of ten in which a grade of 10.0 represents absolute perfection in both plant and bloom.

5005. ADOLPHE ROUSSEAU (D. & M. 1890) 8.5—Very large, semi-double. Tall vigorous grower. One of the best very early dark red Peonies, being deep purplish garnet with dark foliage veined red. Each, \$1.50; 3 for \$3.75.

5025. ALBERT CROUSSE (Crousse, 1893) 8.6—Late. Very large, flat, compact bomb. Fresh salmon-pink, with delicate shadings of rose-white. Fragrant and a vigorous free bloomer. Each, \$1.00; 3 for \$2.50.

5050. ALICE DE JULVECOURT (Pele, 1857) 7.2—Crown type; mid-season. Guards and centre lilac-white. Prominently flecked with crimson. Green collar. Fragrant. Dwarf. Free bloomer. Each, 75c; 3 for \$1.85.

5055. ALSACE-LORRAINE (Lemoine, 1906) 8.8—Large, flat, semi-rose type. Late mid-season. Petals arranged like a water-lily. Rich creamy-white deepening to pale yellow. Easily scores the six points of excellence. A very fine, attractive variety. Erect growth. Each, \$4.00; 3 for \$10.00

5080. ASA GRAY (Crousse 1886) 8.1—Large rose type. Mid-season. Pale pink with tiny dots of deeper color. Fragrant. Asa Gray always attracts attention and calls forth exclamations of delight and admiration. Each, \$1.00; 3 for \$2.50.

5095. AURORE (Dessert, 1904) 8.1—Large, flat, loose, semi-rose type. Late. Lilac-white with collar of milk-white, flecked with crimson. Guards prominently flecked carmine. Fragrant. A superb Peony. Each, \$2.00; 3 for \$5.00.

5115. BARONESS SCHROEDER (Kelway, 1889) 9.0—Very large, globular, rose-type. Flesh-white fading to milk-white. Very fragrant. One of the finest peonies. Tall, strong grower. Free bloomer. Each, \$2.00; 3 for \$5.

5130. BEAUTE de VILLECANTE (Gombault, 1856) 7.0—Crown type; late mid-season. Guards and crown violet-rose, collar lilac-white. Fragrant. Each, \$1.00; 3 for \$2.50

5145. BERLIOZ. (Crousse, 1886) 7.0—Rose type. Late mid-season. Light carmine-rose, tipped silver. Very attractive. Each, 60c.

5170. CARNEA ELEGANS. 7.8—Crown type, Mid-season. Petals broad, clear flesh pink, with glossy reflex, mixed with small yellow petals. Good bloomer. Each, 60c; 3 for \$1.50.

5195. CLAIRE DUBOIS (Crousse, 1886) 8.7—Large, globular, rose type. Late mid-season. Clear, deep violet-rose, tipped silvery white. A glorified Monsieur Jules Elie. Very fine. Each, \$1.50; 3 for \$3.75.

5230. COURONNE D'OR (Calot, 1872) 8.1—Large, flat, semi-rose type. Late mid-season. This variety is well named "Crown of Gold" Flowers, pure white with a ring of golden yellow stamens round a tuft of centre petals pencilled carmine. This is one of the best peonies in cultivation. Possesses a delightful water-lily fragrance. Each, 75c; 3 for \$1.85.

5245. DELACHEI (Delache, 1856) 7.1—Large compact rose-type. Late mid-season. Violet crimson, slightly tipped silver. Strong grower, medium height, free bloomer. Dazzling red. Each, 75c; 3 for \$1.85.

5295. DUCHESSE de NEMOURS (Calot, 1856) 8.1—Crown type. Early. Two days later than Festive Maxima. Superb cup-shaped sulphur-white flowers, no crimson flecks. Fragrant. Free bloomer. Vigorous grower. Very fine in half open bud state. Each, 60c; 3 for \$1.50.

5305. DUC DE WELLINGTON (Calot, 1859) 7.8—Large bomb with white guards. Sulphur centre. Late mid-season. A vigorous tall grower with strong upright stems. Immense flowers with high built centre. Free bloomer. Very fine. Each, 50c.

5315. EDULIS SUPERBA (Lemon, 1824) 7.6—Large, loose, flat crown. Early. Bright clear mauve-pink with silvery reflex. Exceedingly fragrant. Strong, upright, free bloomer. A good peony. Each, 50c; 3 for \$1.25

5350. EVANGELINE (Lemoine, 1910) 8.1—Rose type. Mid-season. Large, very compact. Pale lilac-rose splashed scarlet. Deliciously fragrant. A splendid sort. Each, \$5; 3 for \$12.50.

5360. FELIX CROUSSE (Crousse, 1881) 8.4—One of the best reds. Bomb type. Late mid-season. A self-colored full rich brilliant red. Its large globular flowers are compactly built from edge to centre. Strong, vigorous grower. Free bloomer. Medium height. Each, 75c; 3 for \$1.85.

5370. FESTIVA MAXIMA (Mieliez, 1851) 9.3—There is no peony more popular than Festiva Maxima, and among even the highest priced sorts it has few superiors. Large globular rose type. Snowy-white prominently flecked crimson. Outer petals sometimes faint lilac-white on first opening. Tall, vigorous grower, early, and excellent for cut flowers. Each, 60c; 3 for \$1.50.

5400. GENERAL DODDS (Crousse, 1893) 7.2—Large, globular, semi-rose type. Late rich, brilliant red, with a few white petals in centre. An extra fine free-flowering sort. Tall, strong grower. Each, \$1.50; 3 for \$3.75.

5410. GERMAIN BIGOT (Dessert, 1902) 8.5—Very large, medium compact, flat crown. Mid-season. Pale lilac-rose. Guards prominently flecked crimson. Collar same as guards. Free bloomer. Flowers borne in clusters. Each, \$1.50; 3 for \$3.75.

5435. GLOIRE DE CHAS GOMBAULT 7.9—Deep globular crown type. Medium size. Guards and crown light rose, collar of narrow cream-white petals, widening toward the centre. Beautiful tri-colored bloom. Mid-season. Very fine. Each, \$1.00; 3 for \$2.50.

5450. GLOIRE DE TOURAIN (Dessert, 1908) 7.8—Rose type. Very late. Very full flower without stamens. Dark carmine-rose or crimson. Exceedingly fragrant. Strong erect grower. Each, \$2.50.

5555. LE CYGNE (Lemoine, 1907) 9.9—Large, globular, semi-rose type. Mid-season. An extremely rare variety which connoisseurs agree is the finest white peony in cultivation. Flower is pure snowy-white throughout. Its round compact type of bloom makes it easily distinguishable from all others. Deliciously fragrant. Scored 9.9 out of possible 10 in the American Peony Society's voting contest on the newer varieties. Distinct and very beautiful. Rare. Each, \$20.00

5560. LADY ALEXANDER DUFF (Kelway, 1902) 9.1—This rare variety has attracted much attention. Kelway describes this fine peony as hereunder: "Lovely—French-White—that is to say, not a snow-white, although when fully opened it is quite white; in the young stage, tinted with a very fresh delicate pale shade of what is commonly called 'blush', or palest pink. The central flower (the first to open) is a double flower of rather flattened circular form, and the central petals have a very small touch of carmine. It is a very nicely formed flower, and scented, and the plants are exceedingly free flowering and showy. The side flowers (which are freely produced and which open after the central flowers) come in semi-double and saucer-shaped form, exposing the anthers. The back of the flower near the stem is flushed with pink." Tall and robust. Very scarce. One of the grandest varieties we have ever raised. Each, \$10.

5585. LA LORRAINE (Lemoine, 1901) 8.6—Immense creamy white flowers of globular form. Delicate fragrance. Very fine. Each, \$7.50; 3 for \$18.75.

5580. LA FRANCE (Lemoine, 1901) 9.0—Very distinct and attractive variety of the most perfect rose type, very large compact and globular. Delicately colored a dainty rose-white with splashes of crimson on the outer guard petals. Very fragrant and a tall vigorous, free bloomer. Late. Mid-season. Each, \$10.00.





THERESE
As grown at
Maplewood.

5595. **LA PERLE** (Crousse, 1885) 8.5—Rose type. Mid-season. Deep lilac-white, bluish centre prominently flecked carmine. Fragrant. Extra strong, free bloomer. Extra good. Each, \$1.00; 3 for \$2.50.
5605. **LA ROSIERE** (Crousse 1888). 8.3—Large, flat, medium, compact, semi-double. Outer petals pure white, the centre of the flower being a large disc of golden yellow stamens. Very handsome. Each 75c.
5610. **LA TENDRESSE** (Crousse, 1896). 8.1—Rose type. Early. Uniform, milk-white, guards slightly splashed and centre flecked with crimson. Fragrant. Tall, strong, and free bloomer. Each, \$1.50; 3 for \$3.75.
5615. **LA TULIPE** (Syn. Multicolore), (Calot, 1872). 7.5—Semi-rose type. Mid-season. Lilac-white, outer guard petals striped crimson. Fragrant. Very beautiful. Extra good commercial sort. Each, 75c.
5620. **LAURA DESSERT** (Dessert, 1913) 8.8—Rose type. Early. Lovely large full flowers. Guard petals creamy white. Centre lively canary yellow. A superb variety. Each, \$15.00
5655. **LIVINGSTONE** (Crousse, 1879). 8.1—Very large compact. Perfect rose type. Pale lilac-rose with silver tips. Central petals flaked carmine. Odor lacking. Very strong. Medium height. Free bloomer. Extra good variety. Each, \$1.00; 3 for \$2.50.
5660. **LORD KITCHENER** (Renault, 1916) 7.6—Rose type. Very early. Brilliant cherry red. Very free and vigorous. One of the very first peonies to bloom. Fragrant. Each, \$2.50; 3 for \$6.25
5685. **MADAME AUGUSTE DESSERT** (Dessert, 1899). 8.6—Semi-rose type. Early mid-season. Large imbricated flower, fine form. Uniform violet-rose guards and centre slightly flecked crimson. Each, \$2.50; 3 for \$6.25.
5705. **MADAME BOULANGER** (Crousse, 1886). 7.8—Rose type. Late mid-season. Glossy soft pink shaded lilac. Silvery flesh border. Extra fine. Each, \$1.50; 3 for \$3.75.
5715. **MADAME BUCQUET** (Dessert, 1888) 7.3—Semi-rose type. Mid-season. Velvety dark crimson. Very rich color. Fragrant. Tall, strong grower. An attractive variety. Each 75c.
5720. **MADAME CALOT** (Mieliez, 1856) 8.1—Large rose type. Early. Hydrangea-pink centre shaded slightly darker. Collar tinted silver. Deliciously fragrant. Sure bloomer. Each, 60c; 3 for \$1.50.
5750. **MADAME DE VALLERY** (Guerin 1853). 7.7—Crown type, Mid-season. Lilac-white guards and crown. Sulphur-white collar of wide petals, centre striped carmine. Fragrant. Each, 75c.
5755. **MADAME DE VERNEVILLE**, (Crousse 1885) 7.9—Bomb type. Early. Guard petals pure white. Centre, bluish, fading to white. Flaked carmine on centre petals. Fragrant. Free bloomer. An extra good variety. Each, 60c; 3 for \$1.50.
5775. **MADAME EMILE GALLE** (Crousse, 1881) 8.5—Rose type. Late. Deep lilac white, changing to milk-white in centre. Extra good. Each, 75c; 3 for \$1.85.
5780. **MADAME EMILE LEMOINE** (Lemoine, 1899) 8.9—Large compact rose type. Mid-season. Glossy white tinged pale pink and sprinkled with tiny dots of deeper shade. Medium height. Spreading habit. Each, \$2.00; 3 for \$5.00.
5785. **MADAME FOREL** (Crousse, 1881) 7.7—Large very compact imbricated rose type. Late. Clear bright pink with a silvery tipped centre. Very fragrant. An extra fine variety. Each, \$1.00; 3 for \$2.50.
5820. **MADAME GEISSLER** (Crousse, 1880) 7.9—Full, globular, rose type, with large imbricated petals. Mid-season. Color is a clear satiny light pink tipped silver. Exceedingly fragrant. Very large blooms. Each, \$1.00; 3 for \$2.50.
5880. **MILLE ROUSSEAU** (Crousse, 1888) 8.1—Large, globular, semi-rose type. Mid-season. Guard petals milk-white, central petals splashed lilac-white, flecked carmine; outer guards prominently splashed carmine. Each, \$1.50.
5915. **MARGUERITE GERARD** (Crousse, 1892) 8.4—Semi-rose type. Mid-season. Enormous, flat shaped flower with wide petals. Color, delicate salmon-pink fading to creamy white. Central petals flecked dark carmine at tips. This is one of the grandest peonies in existence. Each, \$1.00; 3 for \$2.50
5935. **MARIE CROUSSE** (Crousse, 1892) 8.9—Bomb type. Mid-season. Uniform pale lilac-rose. Tall, erect, strong grower, free bloomer. A very desirable Peony. Each, \$2.00; 3 for \$5.00.
5735. **MADAME DE GALHAU**, (Crousse 1892) 7.5 Large, compact, globular rose type. Late, Guards rose-white, centre pale lilac-rose. Delightfully fragrant. Medium height. Strong free bloomer. Each 75c.
5940. **MARIE D'HOUE** (Calot, 1883) 7.9—Rose type. Mid-season. Deep flesh color with white reflex. Good. Each, 75c; 3 for \$1.85.
5950. **MARIE JACQUIN** (Verdier), (Syn. Bridesmaid), (Kelway); Waterlily (Barr) 8.3—Distinct and beautiful. Semi-double type. Mid-season. Color, lovely rose-white, fading to lilac-white; wide incurved petals filled with yellow stamens like a water-lily. Rich fragrance. Each, \$1.00; 3 for \$2.50.
5955. **MARIE LEMOINE** (Calot, 1869) 8.5—Compact, rose type. Very late. Flowers enormous. Pure white with cream-white centre. Occasional carmine tip. Fragrant. An extra good commercial variety. Each, 75c; 3 for \$1.85
5975. **MODELE de PERFECTION** (Crousse, 1875) 7.8—Large compact rose type. Late. Guards and collar light violet-rose; wide high centre petals, shaded darker. Profuse bloomer, Fragrant. Very pretty. Each, \$1.00; 3 for \$2.50.
5980. **MODESTE GUERIN** (Guerin, 1845) 7.8—Bomb type. Mid-season. Large, handsome, globular bloom. Color uniform light solferino-red. Very fragrant. Extra strong grower, medium height. Free bloomer. Each, 75c; 3 for \$1.85.
5995. **MONSIEUR DUPONT** (Calot, 1872) 8.3—Semi-rose type. Mid-season. Very large, flat, well-built blooms of ivory-white. Centre petals splashed crimson showing stamens—very fragrant. Resembles Boule de Neige but later. Each, \$1.00; 3 for \$2.50.
6005. **MONSIEUR JULES ELIE** (Crousse, 1888) 9.2—Bomb type. Early mid-season. Considered by many the finest of all peonies. Immense, globular, very full flowers of pale lilac-rose; collar lighter, shaded amber-yellow at the base. Very fragrant. Easily scores the six points of excellence. A prize winner everywhere. Extra. Each, \$1.00; 3 for \$2.50.

6015. **MONSIEUR MARTIN CAHUZAC** (Dessert, 1899) 8.8—The darkest peony in cultivation. Distinct and handsome. Semi-rose type. Mid-season. Large, full, massive; flowers are dark purple-garnet, black reflex, and so glossy that the petals appear as if varnished. Foliage dark green, stems red. Each, \$4.50; 3 for \$11.25.

6045. **OFFICINALIS ROSEA SUPERBA** — Beautiful full-double flowers of rich soft rosy-pink. Valuable on account of its earliness in blooming. Each, 75c; 3 for \$1.85.

6050. **OFFICINALIS RUBRA PLENA**.—The popular old-fashioned early red peony. Large globular flowers of brilliant crimson. Each, 50c; 3 for \$1.25

6090. **PIERRE DESSERT** (Dessert & Mechin, 1890) 7.6—Semi-rose type. Early. Large fringed full flower—dark crimson-purple tipped silver. One of the earliest dark reds. Each, \$1.00; 3 for \$2.50

6105. **PRIMEVERE** (Lemoine, 1907) 8.6—Bomb type. Mid-season. Large blooms borne in clusters on strong stems. Guards creamy-white splashed scarlet; centre light sulphur-yellow. The nearest approach to a yellow peony in the Chinensis section. Each, \$6.00; 3 for \$15.00.

6145. **REINE HORTENSE** (President Taft) (Calot, 1857) 8.7—Rose type. Mid-season. Delicate hydrangea-pink completely enveloped in a halo of angelic white. Centre prominently flecked crimson. A distinct and beautiful variety and one that should be included in every collection. Deliciously fragrant. Each, \$1.50; 3 for \$3.75.

6185. **SARAH BERNHARDT** (Lemoine, 1906) 9.0—Flat, compact, semi-rose type. Mauve-rose tipped silver. Fragrant. Tall, free bloomer. Each, \$4.00; 3 for \$10.00.

6195. **SOLFATARE** (Calot, 1861) 7.6—Crown type, Mid-season. Milk-white guards; sulphur collar fading to sulphur-white. Until the production of Primevere, this peony was recognized as the nearest approach to a yellow peony. An extra fine peony. Each, 75c; 3 for \$1.85.

6210. **SPLENDIDA**, 8.2—Very large, globular cup-shaped rose type. Light violaceous pink. Exceedingly fragrant. Free bloomer. Very beautiful. Each, \$2.00; 3 for \$5.00.

Our collections of Single and Japanese Peonies, is very complete. List upon request.



The Glory of June.



Marie Jacquin.

6215. **STANLEY** (Crousse, 1879) 8.2—Rose type, Mid-season. Large, compact full-bloom—light pink, shaded lilac, silvery reflex. Central petals flecked dark pink. Good. Each, \$1.00; 3 for \$2.50

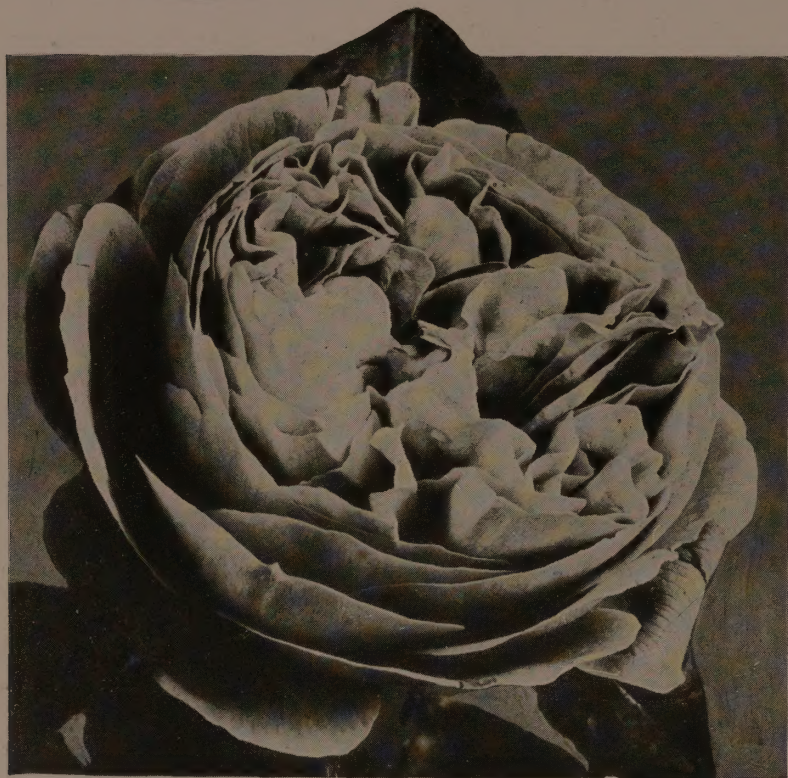
6235. **THERESE** (Dessert, 1904) 9.8—Rose type. Mid-season. An exceptionally attractive flower of glossy flesh, lightly shaded pink in the centre. Very large, compact rose type, later developing a high crown. Therese is one of the most desirable varieties in cultivation, and is the object of admiration wherever shown. A strong, vigorous grower, and a free bloomer. Perfect in every respect. Each, \$6.00; 3 for \$15.00.

6245. **TOURANGELLE** (Dessert, 1910) 9.4—Rose type. Late mid-season. Large, flat flower of exquisite and delicate coloring. Flesh tinged rose and salmon. Very attractive. One of the very best. Each, \$7.50; 3 for \$18.75

6250. **TRIOMPHE de L'EXPOSITION de LILLE** (Calot, 1865) 7.8—Rose type. Late mid-season. Pale hydrangea-pink, minutely splashed violet-rose; guard petals fading to nearly white. Fragrant. Strong, free bloomer. Each, \$1.25; 3 for \$3.10.

6260. **VICTOIRE de la MARNE** (Dessert, 1915) 8.3—This is Dessert's peony named to commemorate French victory of the Marne. Very attractive large globular blooms. Color, velvety amaranthred with silvery reflex. Each, \$5.00.

MCDONALD'S SUPERB PEONY MIXTURE—This mixture is made from good double varieties, of which we have surplus stocks. Roots are of strong blooming size, and will supply a well balanced range of color. Price, 3 for \$1.00; doz., \$3.50; per 100, \$25.00, delivered prepaid.



J. B. Clark.

Hybrid Tea Roses

The Hybrid Teas are undoubtedly the most popular of all roses for garden culture. They are the result of a cross between the Hybrid Perpetual, and the Tea Rose. We have, in these deliciously scented Roses, a wide range of exquisite coloring,—including yellow, salmon, and coppery tints,—fine foliage, and a long blooming period. Strong, 2-year, field-grown plants. Each. 75c; doz., \$7.50, except where noted. delivered packing free.

AVOCA.—Deep crimson-scarlet. Long pointed buds. Large flower.

CAROLINE TESTOUT.—Warm, rosy, satin-pink. Large, globular shape. A good garden variety.

CHRISTINE.—Rich, golden yellow, sweetly scented. Deeper and brighter in color than Rayon d'Or. Very fine. \$1.00.

CLEVELAND. Coppery-yellow, shaded reddish copper. Fine rose for garden and exhibition. \$1.00.

CONSTANCE.—An improved Rayon d'Or. Flowers bright orange-yellow, long orange-yellow buds, slightly streaked crimson. \$1.00.

COVENT GARDEN, (New).—Rich, deep crimson, shaded plum black on reverse of petals. A magnificent rose. Each, \$1.00.

DAILY MAIL.—A rose of gorgeous coloring,—coral-red, shaded yellow and scarlet. Vigorous grower.

EDWARD MAWLEY.—Rich, velvety crimson. Large flowers.

FRANCKLIN.—Salmon-pink, shaded lighter. Long, pointed flesh buds. A very fine rose for bedding and cutting. Each, \$1.00.

GENERAL MCARTHUR.—Vivid crimson-scarlet. Very fragrant. Free bloomer.

GEORGE DICKSON.—Velvety scarlet-crimson, veined with deep, pure crimson-maroon. Very richly perfumed. A perfect rose, and one of the best ever raised.

GOLDEN EMBLEM, (New)—Cream, suffused orange. One of the best in its color. Buds are long and pointed, and flower is nicely scented like the old Marechal Niel. \$1.50.

GOLDEN OPHELIA.—A sport of Ophelia. Golden yellow in centre, paling slightly at outer petals. An excellent decorative rose. \$1.

GRUSS AN TEPLITZ.—Perfect crimson-scarlet. Red centre. Constant bloomer.

GUSTAV GRUNERWALD.—Brilliant carmine-pink. Buds pointed. Deliciously fragrant.

HADLEY.—Crimson, shading to deep velvety crimson. A good garden variety. \$1.00.

H. E. RICHARDSON.—Deep, rich, crimson, large and full. Vigorous, and a free bloomer.

HOOSIER BEAUTY.—Glowing crimson. A vigorous grower. Deliciously fragrant.

H. V. MACHIN.—Intense black-grained, scarlet-crimson. A magnificent rose of immense size. Each, \$1.00.

J. B. CLARK.—Immense full blooms of intense, deep, scarlet, shaded with blackish crimson. Free flowering and vigorous. One of the finest garden roses.

JEAN G. N. FORESTIER (New)—Carmine-lake, slightly tinted with chinese-orange and yellow. Very sweetly scented. \$1.50.

JONKHEER J. L. MOCK.—Deep rose, shaded silvery-pink. Highly scented. Very pleasing.

KAISERIN AUGUSTA VICTORIA.—Soft pearly white, slightly tinted lemon centre. A good all-round white rose.

McDonald's

Perfect roses are easily grown out of doors in Canada, and will endure our winters with a little winter protection. Only strong, well-rooted, two-year old, field-grown bushes should be planted. These are not so subject to leaf spot as pot-grown roses are, and are bound to give satisfaction.

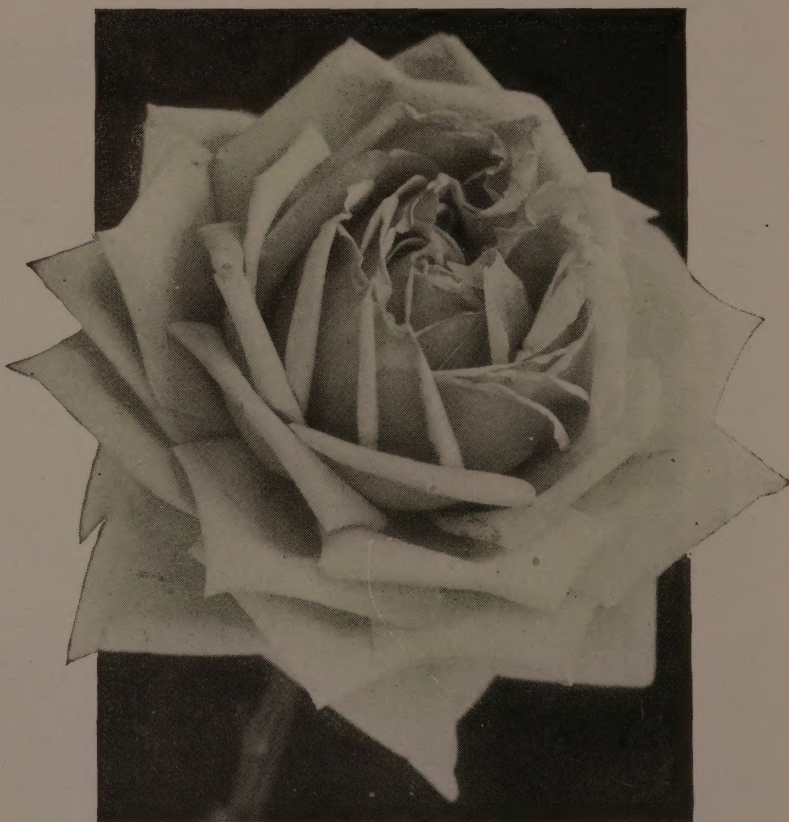
Plant roses where they will receive a fair amount of sunshine, and plenty of air. The soil best suited to them is what is known as clay loam, which should be porous enough to permit of ready drainage of surplus water. Any good vegetable soil when properly fertilized, will produce good roses. The soil should be enriched with well-rotted cow manure, horse manure, or bone meal. Hybrid Tea Roses should be planted about 18 inches apart. Beds for double rows should be 3 feet wide; the plants should be set alternately in order to give more room for development. Beds for single rows should be 2 feet wide. Plant Hybrid Perpetuals two or two and one-half feet apart, the beds for these to be proportionately larger than for Hybrid Tea Roses.

Upon receipt of plants from Nursery, remove moss in which they are packed, and immerse in a puddle of thick muddy water. This protects roots when being planted. Set bush so that point of union where budded, will be two inches below the surface. Plants must be pruned severely before planting,—all weak branches being cut away and the others being pruned down to 3 or 4 eyes or buds. Where Fall planting is done, pruning should be deferred until Spring.

While strong, healthy plants are not especially susceptible to disease or pests, some pests will appear. For leaf-eating insects, slugs, and beetles, use Pyrox or Arsenate of Lead. For aphids, use Black Leaf-40, or if leaf spot, use Bordeaux Mixture. Potassium Sulphide 1-2 oz. to one gallon water controls mildew better than anything else. In late Fall, lay bushes almost flat, throw soil over roots and stem, and protect with two boards,—the edges placed together to form an inverted V leaving ends open. Partial protection may be given roses by earthing up six to nine inches. Should tops winter-kill, the lower stems are almost sure to remain alive.

Roses from Maplewood are strong and sturdy, and possess the splendid fibrous root system so essential to success. Particular care is taken in packing, as we realize how important it is to have plants reach our customers in as good condition as when dug.

Our lists include the finest new sorts, as well as most of the older varieties worth growing. To those of our customers desiring the newer sorts, we suggest early ordering, as supplies of these varieties are limited. As the season advances, varieties sometimes become sold out. In such cases, unless otherwise instructed, to avoid delay through correspondence, we usually substitute some equally valuable sort marking same true to name.



Los Angeles.

Hardy Roses

KILLARNEY.—An exquisite shade of deep shell-pink. Intensely fragrant. Free blooming. Remarkable for its immense size.

LADY ALICE STANLEY.—Outside petals deep coral-rose; inside, pale flesh. A good rose.

LIEUT. CHAURE.—A particularly fine rose. Color, crimson-red, fine, full flower. Beautiful long buds. Profuse bloomer.

LDS ANGELES.—A new rose that has proven itself worthy of a place amongst the best garden roses introduced to date. Flowers are of a luminous flame-pink, toned with coral, and shaded with translucent gold at the base of petals. Buds are long and pointed, expanding to a flower of mammoth proportions. Intensely fragrant. Each, \$1.50.

MADAME ABEL CHATENAY.—Bright carmine-rose, shaded deep salmon. A fragrant rose, vigorous, and continuous bloomer. One of the best garden roses.

MRS. OAKLEY FISHER.—A rose of recent introduction. Color, cream and apricot. Each, \$1.00.

MARGARET DICKSON HAMILL.—Delicate straw color, flushed carmine. Blooms are large and globular, and are produced in great profusion. Deliciously fragrant.

MRS. A. R. WADDELL.—Rosy-scarlet bud, opening reddish salmon, reverse rosy scarlet. A rose of rare beauty. Each, \$1.

MRS. CHARLES RUSSELL.—Large, well-formed flowers of bright rosy-carmine with rosy scarlet centre. Very free bloomer. A good garden rose. Each, \$1.00.

MRS. CHARLES LAMPLOUGH. (New).—An extra fine rose of soft lemon-yellow color. Blooms of wonderful size, and very sweetly scented. Each, \$1.50.

MRS. HENRY MORSE (New).—This rose is somewhat deeper in color than Chatenay, and is probably the best in its color to date. Clear bright rose, deeply washed vermillion. Stands hot, dry conditions, well. Each, \$1.50.

MRS. REDFORD.—A very pleasing shade of bright apricot-orange. Splendid upright grower, with beautiful foliage. Blooms are of perfect shape. Very free blooming and sweetly scented. Each, \$1.00.

OPHELIA.—A grand rose with a splendid record. Color, a delicate tint of salmon-flesh shaded rose. Flowers are held on long, stiff stems, and are of good form and size. Each, \$1.00.

PADRE.—A new rose we have not yet seen in bloom, but which comes to us from Europe, very highly recommended. Color is new, being rich, coppery-scarlet red. Each, \$2.50.

QUEEN ALEXANDRA. (New). A rose of great promise. Gold Medal N. R. S. Here is a new rose which has attracted much attention wherever exhibited. A striking combination of color, opening scarlet, and passing to old rose. Reverse of petals, old gold. Full flower, of fine form, good in habit, and free bloomer. Delightfully fragrant. Each, \$1.50.

QUEEN MARY. Yellow, edged and shaded rosy carmine.

RED LETTER DAY.—Semi-double, glowing scarlet-crimson. A first class decorative, and bedding rose. Bright and fine.

SOUVENIR de CLAUDIUS PERNET (New).—In commenting on this fine rose, the Horticultural Advertiser (English), says:—"Souvenir de Claudius Pernet was the most conspicuous yellow, and provoked general comment." Mr. Pernet Ducher, the introducer, describes this fine rose, as follows:—"A most vigorous grower, of erect branching habit, beautiful, brilliant green foliage, few thorns, long pointed buds of exquisite shape, carried on long, stiff stems. Very large, full flowers, with elongated deep petals, a beautifully formed bloom. Color, most striking sunflower-yellow, deeper in the centre, without any color blending, and which is retained without fading, even in the warmest weather." Many awards. Each, \$2.00.

SOUVENIR de GEORGE BECKWITH (New).—Another good rose, with a future. Shrimp-pink, tinted chrome-yellow, with deeper yellow at base of petals. Growth, vigorous; habit erect, and branching; foliage, bronze-green. Each, \$1.50.

SUNSTAR (New).—A rose of reddish-salmon shade. Very fine. Each, \$1.50.

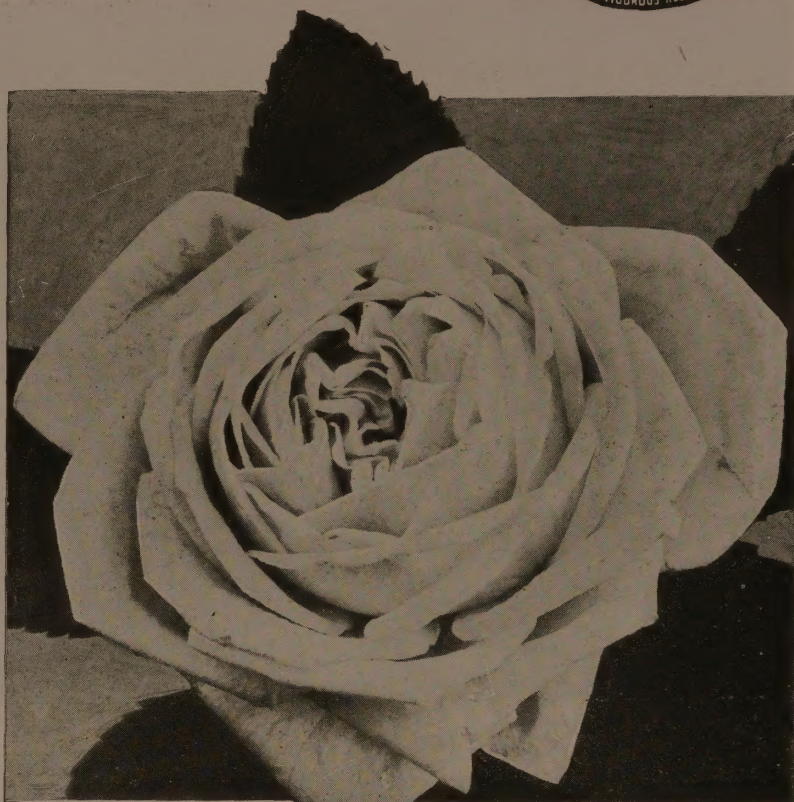
UNA WALLACE (New).—A soft, even toned cherry-rose, without shading. Quite distinct from any other rose. Sweetly perfumed. Each, \$2.50.

VICTORY (New).—Long pointed, glowing scarlet-crimson blooms, borne on long, wiry stems. Very distinct. Sweetly scented. Each, \$2.00.

WILLOWMERE.—A rose we unhesitatingly recommend, having grown it for several years. Color, a transparent, shrimp-pink, with coral-red veins, deepening towards edges, centre shaded yellow. Buds are long, and of bright coral-red shade.

WHITE KILLARNEY.—A sport of the well-known Killarney. This is a rose of splendid form, and good size. Pure white.

HYBRID RUGOSA F. G. GROOTENDORST (New).—This is a hybrid between *rosa rugosa rubra*, and a red polyantha rose. Its double flowers are borne in large clusters, and are of a bright red color, with fringed petals, Perpetual flowering. Foliage is exactly like that of the *rosa rugosa*, and not subject to mildew. Extremely hardy, and an excellent bedder. A rose that will be largely grown in Canada. Each, \$1.00; dozen, \$10.00, delivered. Packing free.



Frau Karl

Druschki

Hybrid Perpetual Roses

These roses are most valuable for permanent planting, as they are very hardy, vigorous growers, producing blooms of great size, and beauty. Until the advent of the Hybrid Tea group, Hybrid Perpetuals enjoyed great popularity. In recent years, Hybridists have paid little attention to them, and as a consequence, novelties are rare, and the best of the old familiar sorts remain. Strong, 2-year-old, field-grown plants, 60c each; \$6.00 per doz., carriage paid; packing free.

ALFRED COLOMB.—Extra large flowers, cherry, shaded crimson. Fragrant. Free bloomer. Very handsome.

CAPTAIN HAYWARD.—Glowing deep crimson, long pointed buds.

FRAU KARL DRUSCHKI.—(Snow Queen).—The best snow-white rose ever introduced. Every collection should contain at least one white variety, and this should be the one. Flowers are of immense size, pure snowy-white, and of perfect form. Blooms profusely throughout the entire season.

GENERAL JACQUEMINOT.—Rich scarlet-crimson, large, and full. Strong grower; exceedingly fragrant. This is an old variety, but is still a popular garden sort, and meets with a heavy demand each year.

HUGH DICKSON. Brilliant crimson, shaded scarlet. Free bloomer. Fragrant. Ranks high with the best Hybrid Teas of its color.

MAGNA CHARTA.—Bright rose-pink; large, full, and fragrant. A most excellent rose.

MRS. JOHN LAING.—Soft pink; large, perfect flower. Deliciously fragrant. One of the very best.

PAUL NEYRON.—Immense deep rose, shaded scarlet. Strong, upright grower.

PRINCE CAMILLE de ROHAN.—Deep, velvety, crimson. Very richly colored blooms. Fragrant.

ULRICH BRUNNER.—Flowers, cherry-red, of largest size, and good substance. A magnificent, free-flowering, fragrant rose.

Climbing Roses

Much esteemed for training over arbors, porches, fences, and other objects. They blossom profusely, their wealth of bloom almost covering the branches. In late Fall, Climbing Roses should be taken down, branches tied together, and covered as described. Strong 2-year-old plants. (except where noted) 75c each; \$7.50 doz., Carriage paid.

AMERICAN PILLAR.—Rosy pink, with band of pink at base of florets. Single flowers borne in large clusters.

CRIMSON RAMBLER.—Bright crimson flowers, borne in immense clusters. One of the best in this class.

PAUL'S SCARLET CLIMBER.—Gold Medal, N. R. S., Award of Merit, R. H. S. In reporting his visit to "The Bagatelle Rose Trial Gardens" at Paris, an English correspondent wrote "In walking round the gardens, absolutely the finest thing noted, was a pillar of Paul's Scarlet Climber; It was a mass of bloom, and made a blaze of color, which would have done the raiser good to see." The semi-double flowers of this superb, new rose, are vivid scarlet, shaded with bright crimson, and are produced in clusters in the greatest profusion. The color does not fade, and flowers remain on plant a long time, furnishing a brilliant and magnificent display. Each, 90c; doz., \$9.00.

GOLD FINCH.—Deep golden-yellow, changing to creamy-white.

TAUSENDSCHON.—Pink, changing to bright rose, sweetly scented.



Hardy Ornamental Shrubs & Vines

THE home grounds, simply and tastefully planted with well selected shrubs and climbers, present an atmosphere of comfort and beauty not to be obtained in any other way. We give hereunder, a list of hardy shrubs and vines, suitable for the purpose. We can supply many ornamental trees and shrubs not here listed. Most shrubs we send out, are too large to be forwarded by mail, consequently, all orders will be forwarded by express or freight, at purchaser's expense, (exceptions noted). No extra charge for cases or packing.

BERBERIS THUNBERGI (Japanese Barberry).—A well-known hardy shrub, beautiful throughout the entire year. Foliage is of a handsome, greenish shade until Fall, when it takes on the most gorgeous autumn tints. Brilliant scarlet berries persist throughout winter. The finest hardy deciduous shrub for hedges. It may be pruned to form, or grown naturally either as hedge or specimen plant for lawn. Extra strong plants, each, 50c; doz., \$5.00; per 100, \$35.00.

BERBERIS VULGARIS PURPUREA (Purple-leaved Barberry).—A good purple leaved variety, suitable for hedges, or as specimen plants, Each, 50c; doz., \$5.00.

CARAGANA ARBORESCENS, (Siberian Pea Shrub).—An erect shrub or low tree, bearing clusters of yellow, pea-shaped flowers in May. Attains a height of 8 to 10 feet. Makes an excellent hedge. Plants 2 to 3 feet,—each, 50c; dozen, \$5.00. Mailing size each, 35c, postpaid. Small plants for hedges, per 100, \$25.00.

CORNUS, Dogwood.—The general planting of the Dogwoods in shrubberies and ornamental grounds, attests the great value that is placed on them. Their main value lies in the varied bright colors of the bark and branches which make them splendid winter features.

CORNUS, ALBA SIBIRICA, (Siberian Red Dogwood).—An upright shrub, with bright blood-red branches. Flowers, creamy-white; fruit, bluish white, 6 to 10 feet. Very effective in contrast with snow. Each, 60c; dozen, \$6.00.

CYDONICA JAPONICA (Japan Quince).—Very ornamental spiny shrub, with glossy, shining foliage. In early Spring, its dazzling scarlet flowers cover the entire shrub before its leaves appear. 5 to 6 feet. Each, 75c; doz., \$7.50.

DEUTZIA (Snow Flower).—Ornamental and very floriferous hardy shrub. Its fragrant flowers are borne on long arching branches.

DEUTZIA GRACILIS (Dwarf Deutzia).—Makes a dwarf bush, 1½ to 2 feet high, and may be planted in beds by itself, or as edgings to taller subjects. Snow-white flowers. Pendulous branches. May to June. Each, 60c; dozen, \$6.00.

DEUTZIA CRENATA, (Pride of Rochester).—Tall growing variety with large white and pink flowers. June to July. 6 feet. Distinct and valuable. Each, 60c; dozen, \$6.00.

DEUTZIA LEMOINEI (LeMoine's Deutzia).—Shrub of medium size. 3 feet. June. Flowers, white, borne in large clusters. Vigorous and very free-flowering. Each, 60c; dozen, \$6.00.

FORSYTHIA (Golden Bell).—Charming deciduous, hardy shrubs of easy culture, producing in early Spring, a dazzling mass of golden blossoms, even before the handsome green foliage has shown itself.

FORTUNEI (Fortune's Forsythia).—8 to 12 feet. Yellow flowers. Blooms in early spring. Very fine. Each, 60c; dozen, \$6.00.

SUSPENSIVA (Drooping Golden Bell).—Very long, sweeping, green branches. Valuable for covering arches and trellises, also for planting to droop over embankments. 8 to 12 feet. May. Each, 60c; dozen, \$6.00.

Hardy Hydrangeas

These popular and highly decorative hardy shrubs cannot be too highly praised. They form one of the most spectacular groups of flowering shrubs known, with their enormous clusters of delicately colored blossoms, in late summer and Fall. As autumn advances, their flowers gradually take on darker tints, producing most charming effects.

HYDRANGEA PANICULATA GRANDIFLORA.—There is probably no other hardy shrub in cultivation, so well known as this one. Its immense white panicles of bloom are borne at the ends of graceful branches. Well adapted for specimen planting on the lawn,—for massing,—or may be interspersed with other shrubs in the border. Height, 8 to 10 feet. Blooms from August till frost. Strong plants, each, 75c; doz., \$7.50; Mailing size each, 60c, postpaid. Specimen plants each, \$1.25; doz., \$12.50.

HYDRANGEA ARBORESCENS GRANDIFLORA ("Hills of Snow").—A free blooming variety, with large clusters of pure white flowers. Height 4 to 6 feet. Winter kills slightly at Ottawa, but hardy enough to ensure abundant bloom. Each, 75c; doz., \$7.50.

LIGUSTRUM AMURENSE ("Amoor River Privet").—Similar to California Privet, so popular South,—but hardier. Makes a beautiful hedge. Does not winter kill in milder sections of Ontario. We are, however, not satisfied that it is entirely hardy at Ottawa, so are growing a large block at Maplewood for experimental purposes. Strong plants, each, 50c; doz., \$5.00; per 100, \$30.00.

LONICERA TATARICA (Tartarian Bush Honeysuckle).—An old favorite, and one of the most attractive shrubs grown. Flowers, borne in late May, are bright pink, contrasting beautifully with foliage. Branches, spreading. Fruit, red or orange, ripening in summer, and persisting until autumn. 5 to 10 feet. An extra fine, very hardy shrub, of easy culture. Each, 60c; doz., \$6.00.

PHILADELPHUS, "Mock Orange".—The well-known variety "Coronarius," with its masses of large, sweetly scented, white flowers, has for years rivalled the Lilac in popularity.

PHILADELPHUS CORONARIUS.—The old-fashioned variety, which still retains its popularity. Flowers, white, sweetly-scented, borne on long, graceful branches. Blooms about June 15th. Height 5 to 10 feet. Strong plants. Each, 60c; doz., \$6.00.

PHILADELPHUS BOULE D'ARGENT.—One of Lemoine's hybrids. Dwarf, compact. Its sweet-scented, double flowers are pure white, double, very fragrant. Very desirable. 4 to 5 feet. June. Each, 75c; doz., \$7.50.

SYMPHORICARPOS RACEMOSUS (Snowberry).—Small, pinkish flowers in summer, followed by white, waxy berries, which remain on plants well into the winter. Long, slender branches. Very graceful. 3 to 5 feet. Each, 60c; doz., \$6.00.

SYMPHORICARPOS VULGARIS (Coral Berry).—Flowers, greenish red in summer. Berries, coral red. Showy in winter, 3 to 5 feet. A good companion to the Snowberry. Each, 60c; doz., \$6.00.

HAVE YOU A KOSTER ON YOUR LAWN?—The Koster Spruce, with its silvery blue foliage, is the best, and most popular ornamental Evergreen. Individual specimens planted on the lawn, add charm to the home grounds, being wonderfully attractive, throughout the entire year. Perfectly hardy, Quick grower. Of easy culture.

We offer fine, shapely plants, balled, and burlapped, in the following sizes, packing free: 1 to 1½ feet, \$3.00; 1½ to 2 feet, \$4; 2½ to 3 feet, \$6.00. Larger sizes quoted.

Spirea, Meadow Sweet

Showy, free-flowering, hardy shrubs, of inestimable value. They range in height from very dwarf to tall, and bloom from May until late summer. Probably the most beautiful of all Spireas for hedges or specimen planting, is "Van Houttei," listed below:—

SPIREA VAN HOUTTEI.—A very ornamental shrub which is handsome throughout the entire year. When in flower, is a complete mass of tiny white blooms, the foliage hardly showing. Very effective when planted singly, or in groups on the lawn. Makes a wonderful hedge, of medium height,—5 to 8 feet. Blooms about June 15th.

PRICE. Small plants for hedges,—doz., \$4.75; per 100, \$35.00; Mailing size, 50c each, postpaid. Large plants, each, 75c; doz., \$7.50; Extra large specimen plants, each, \$1.25; doz., \$12.50.

SPIREA ANTHONY WATERER.—A dwarf variety of dense growth, with large showy, flat heads of crimson flowers. Commences blooming in early summer, and continues until late Fall. Each, 60c; doz., \$6.00.

SYRINGA, (The Lilac).—Lilacs are always admired, and universally loved, for the many old associations and tender sentiments woven about them. Hybridizers, in recent years, have wrought wonderful improvements in the Lilac, both in size of flower, and truss. The blooming season has been prolonged by the addition of earlier, and later varieties. Besides the best of the standard sorts, our list includes many of the newer hybrids. Price,—strong, young, 2 to 3 year old plants,—each, 75c; doz., \$7.50, except where noted.

DOUBLE-FLOWERED LILACS:

Alphonse Lavalley.—Bluish violet. Belle de Nancy.—Satiny-rose. Charles Joly. Bright crimson. Dr. Trojanowsky.—Lilac blue. Jacques Calot.—Reddish violet.—\$1.50, each.

Lemoine, fl. pl.—Pink, 90c. Mme. Abel Chatenay. Pure white. Mme. Casimir Perrier.—White. Mme. Lemoine.—An extra fine pure white. Michel Buchner.—Pale lilac.

Victor Lemoine.—Very large azure-lilac.

Waldeck-Rousseau.—Lilac-rose, white centre, \$1.50, each.

SINGLE FLOWERED LILACS.

Anna Elizabeth Jacquet.—Purple. Charles X.—Red.

Congo.—Deep reddish purple, 90c, each.

Gloire de Lorraine. Lilac.

Gloire de Versailles.—Deep lilac. Hugo Koster.—Soft lilac.

Mme. Francisque Morel.—Rosy lilac, extra fine. 90c, each.

Marie Legraye.—Pure white. Very popular.

Perle von Teltow.—Soft lilac.

President Massart.—Soft pink. 90c, each.

Souvenir de L. Spaeth.—Dark purple.

VARIOUS LILAC SPECIES

PERSICA (Persian Lilac).—Later than common sorts. Small, reddish flowers, borne in huge clusters. 6 to 8 feet. 90c. each.

PERSICA ALBA.—A white Persian lilac. 90c. each.

VILLOSA.—A species from China, blooming about June 15th. Leaves somewhat rough. Bluish-pink flowers are produced in large panicles. 90c. each.

VULGARIS.—The common, old-fashioned Lilac, with fragrant purple flowers. Still popular. Each, 75c; dozen, \$7.50.

VIBURNUM. A group of very handsome hardy shrubs, of much value as specimen plants on the lawn, and for grouping and massing. They are not only attractive when in flower, but some species produce large clusters of bright scarlet berries.

VIBURNUM OPULUS STERILE, "Snowball Tree."—One of the most popular and effective shrubs, with large spherical heads of white flowers in profusion. It has handsome foliage of a rich green tint. Without doubt, one of the best of flowering shrubs. 8 to 10 feet. May. Each, 60c; dozen, \$6.00.

VIBURNUM OPULUS.—"High Bush Cranberry."—Handsome shrub, 8 to 12 feet. high. Flowers, white, blooming in late May, and early June. Berries scarlet. Makes fine tall hedge. Each, 60c; doz., \$6.00.

WEIGELA (Diervilla).—Weigelas are almost indispensable for ornamental planting. Produce a wealth of bell-shaped flowers in late May, and June. Each, 75c; doz., \$7.50.

WEIGELA, EVA RATHKE.—Flowers, brilliant crimson. 5 to 6 feet. June. Each, 60c; doz., \$6.00.



WEIGELA CANDIDA.—Strong grower. White flowers, borne in great profusion. Bloom June to Autumn. 4 to 5 feet. Each, 60c;

Hardy Vines and Climbers

AMPELOPSIS ENGLEMANNI (Improved Virginia Creeper).—Hardy, ornamental vine, climbing by tendrils. This variety has smaller leaves than the ordinary Virginia Creeper. It is self-clinging on brick walls, etc., and needs practically no attention as regards training. Leaves, red in Fall. Each, 60c; doz., \$6.00. (Mailing size, 60c, postpaid.)

AMPELOPSIS VEITCHII (Boston Ivy).—A beautiful vine, with neat, glossy foliage, which forms a perfect mat of green as the leaves overlap each other. Clings closely to walls of any material. Does best on north or west exposures. Turns to brilliant orange and scarlet shades in Autumn. Each, 50c; doz., \$5.00. (Mailing size, 50c, postpaid.)

ARISTOLOCHIA SIPHO (Dutchman's Pipe Vine). A rapid growing vine, with large heart-shaped deep green leaves. Its curious, yellowish brown, heart-shaped flowers, resemble a Dutch pipe. Attains a height of from 20 to 30 feet. Rapid grower. Each, 75c; doz., \$7.50. (Mailing size plants, 75c, postpaid.)

CLEMATIS JACKMANNI.—A beautiful and very popular vine, bearing a profusion of exceedingly attractive, rich, velvety violet-purple blooms. Well adapted for porches, trellises, and other situations. Each, 75c; doz., \$7.50. (Mailing size plants 75c each).

CLEMATIS PANICULATA.—The foliage of this well known vine is thick, handsome, and glossy. Its small, white, starry blossoms are borne in great profusion during July and August. A rapid climber. One of the best. Each, 60c; doz., \$6.00.

LONICERA SEMPERVIRENS, (Scarlet Trumpet Honeysuckle).—A very attractive climbing vine, bearing its large clusters of scarlet, tubular flowers, almost continuously from June till Autumn. Each, 60c; doz., \$6.00.

LONICERA BELGICA.—Flowers, red and yellow, blooming all summer. Each, 60c; doz., \$6.00.

LONICERA HALLEANA.—Flowers, pure white, later turning to golden yellow. Fragrant. Each, 60c; doz., \$6.00.



Small

Fruits



Currants

Each, 40c; 3 for \$1.10; doz., \$4.00, carriage prepaid.

BLACK CHAMPION (Black).—Very productive. Large bunch and berry. Excellent quality.

BOSKOOP GIANT (Black).—Of recent introduction. Vigorous and productive.

LEE'S PROLIFIC (Black).—Suited to sandy loam. Fruits sweet and excellent for jams and jellies.

CHERRY (Red).—Berries of large size; plants vigorous and productive.

FAY'S PROLIFIC (Red).—Berries large as cherry, and very productive. Valuable for commercial as well as home use.

RED CROSS.—Fruit, medium to large. Moderately strong grower. Spreading habit. Hardy, and very productive.

RED DUTCH.—Fruit, small to medium size, and of good quality. Very hardy, and productive.

WHITE GRAPE (White).—Very large, yellowish white. Sweet, or very mild acid. Productive. Excellent table sort.

Blackberries

Each, 20c; doz., \$2.00, carriage prepaid.

ELDORADO.—An excellent variety. Berries, long, black, sweet, and rich.

SNYDER.—Berries of medium size. Extremely hardy.

Grapes

Each, 40c; 3 for \$1.10; doz., \$4.00, carriage prepaid.

BRIGHTON (Red).—Berries of large size, red, juicy, and sweet.

DELAWARE (Red).—Berries small. Red, sweet and spicy flavor. One of the finest.

CONCORD (Black).—Succeeds well anywhere. Berries large, juicy, and sweet. The best general purpose grape.

NIAGARA (White).—The most popular white. Berries large, round and juicy.

Fresh fruits from one's own garden always taste better than those you buy. A small fruit garden judiciously planned and planted is a source of pleasure and profit, and well repays the owner for the small amount of attention required.

Raspberries

Price, except where noted, each, 20c; doz., \$1.25; per 25, \$2.25; per 100, \$7.50, carriage prepaid.

CUTHBERT (Red).—Berries very large. conical, rich crimson. Sweet, rich and luscious. Good shipper.

HERBERT (Red).—An extremely hardy variety, maturing a few days earlier than Cuthbert. Vigorous, and very productive, with fruit of large size, good color, and of excellent quality. Highly recommended.

LA FRANCE (New) Red Everbearing.—This variety comes to us very highly recommended. Results in the United States have been remarkable. La France is a rapid, vigorous grower, strong and erect. Canes branch freely, adding greatly to their productivity. A prodigious bearer from June to frost. Contains fewer seeds than other berries. Introducer claims "La France" to be perfectly hardy. Stock scarce. Price, strong plants, each, \$1.00; 3 for \$2.50, postpaid.

ST. REGIS EVERBEARING (Red).—Produces berries throughout the summer. Berries, bright crimson, large, sugary, and with full raspberry flavor.

GOLDEN QUEEN (Yellow).—Large, golden-yellow berries. A strong grower and productive.

CUMBERLAND (Black).—Large, glossy, black, rather oval. One of the best.

Strawberries

Price, except where note, 25, 75c; 50, \$1.25; 100, \$2.00, carriage prepaid.

PROGRESSIVE (Everbearing), (Perfect).—Prolific. Berries fair size; deep crimson Flavor good. Splendid home garden sort. Spring set plants fruit first season. Doz., 75c; 25, \$1.25; 50, \$2.00; 100, \$3.50, carriage prepaid.

DR. BURRILL (Perfect)—Resists drought. Large, attractive fruit. Early.

SENATOR DUNLAP (Perfect).—Large, handsome berry of excellent quality. Fruit dark red with glossy finish. Succeeds everywhere. One of the best. Mid-season.

PARSON'S BEAUTY (Perfect).—A good dependable producer. Berries uniformly shaped, and of a beautiful dark glossy finish. Mid-season.

GLEN MARY (Perfect).—An excellent variety. Vigorous and productive. Berries large and firm, and of fine quality. Late.

BRANDYWINE (Perfect).—Large, deep red fruit. Very productive. Good shipper. Late.

Gooseberries

Each, 40c; 3 for \$1.10; doz., \$4.00, carriage prepaid.

DOWNING.—Large, handsome, pale green, and of splendid quality.

RED JACKET.—Large oval berries, dark red when ripe. Bright, clean, healthy foliage. Hardy.

HOUGHTON.—Small, deep red berries. Sweet, hardy, and productive.



Miscellaneous Bulbs & Roots

AMARYLLIS JOHNSONI.—Beautiful indoor bulbous plants, producing large lily-like crimson flowers striped white. Bulbs should be rested each winter, and re-potted in Spring when they will flower from year to year. Large bulbs, each, 75c postpaid.

BEGONIAS. (Tuberous Rooted).—Tuberous rooted Begonias are very desirable plants for window, conservatory, or outdoor planting. Also valuable for growing in shady spots in the garden. Start indoors, January to March, in pots. We offer these tubers in separate colors as below,—all English Grown:—

SINGLE FRILLED.—Scarlet, crimson, rose, yellow, white. Each, 25c; doz., \$2.50, postpaid.

DOUBLE.—Scarlet, crimson, rose, yellow, white. Each, 30c; doz., \$3.00, postpaid.

CALADIUM ESCULENTUM (Elephant's Ear).—Tender ornamental foliage plants. Immense shield-shaped green leaves. Much used for bedding or as specimen plants on the lawn. Large bulbs. Each, 30c; doz., \$3.00, postpaid.

Cannas

The grace and beauty of its foliage in addition to the gorgeous coloring of its flowers, places the Canna in a foremost place among bedding plants. Roots may be planted directly in beds or borders, but for early summer blooming, start early in Spring indoors, and set out in late May or June.

Prices named are for dormant roots, and include cost of carriage.

CITY OF PORTLAND.—One of the **FIERY CROSS.**—Very large flower most beautiful pink Cannas in existence. Immense trusses of large flowers. Continuous bloomer. Very fine. Free bloomer. Green foliage. 3 feet. Each, 30c; doz. \$3.00.

heads of vivid scarlet shading to crimson. Continuous bloomer. Very fine. Foliage green. 5 feet. Each, 30c; doz., \$3.00.

KING HUMBERT.—The finest Canna ever offered. Flowers are produced in heavy trusses of gigantic size and are of brilliant orange-scarlet with bright red marking. Foliage, rich coppery bronze. 4 feet. Each, 20c; doz. \$2.00.

ORANGE BEDDER.—Color, bright orange suffused scarlet.

Green foliage. 4 feet. Each, 20c; doz., \$2.00.
PANAMA.—Rich orange-red, edged golden yellow. Green foliage. 3 feet. Each, 20c; doz., \$2.00.



Canna



Tuberose

Miscellaneous Bulbs

CINNAMON VINE (*Dioscorea Batatas*).—This splendid climber is easily grown. Quickly attains a height of 20 to 30 feet, and produces handsome heart-shaped foliage. Bears a profusion of dainty, sweet-scented white flowers. Very desirable for porch and trellis. Large tubers. Each, 25c; doz., \$2.50, postpaid.

GLOXINIAS.—Tender decorative plants with large, handsome, bell-shaped flowers. Fine pot plants for window, garden or conservatory... Bulbs, 40c each, \$4.00 dozen, postpaid.

HYACINTHUS CANDICANS (*Galtonia*).—Bulbous plants of much decorative value in the garden. Produces long spikes of drooping white bells which are very effective. They contrast splendidly with Gladioli in the border. Price, 3 for 30c; doz., \$1.00, postpaid.

MADEIRA VINE.—Handsome climbing plant. Flowers, white and very fragrant. Its dark green foliage forms fine screen for porches, etc. Strong roots. 3 for 40c; doz., \$1.35, postpaid.

TUBEROSE (Double Excelsior Pearl).—Beautiful, pure white, wax-like double flowers, produced freely on tall stems. Their exquisite perfume adds delight to our gardens. 2 feet. Strong bulbs. 3 for 30c; dozen, \$1.00, postpaid.

Calla Aethiopica

This is the popular White Calla Lily, or Lily of the Nile. Leaves are glossy and green, its lily-like spathes or flowers being of purest white. This plant likes a stiff soil with a small quantity of cow or sheep manure added. Bulbs should be set with the crown or top protruding just above the surface. They should be plentifully supplied with water during growing season. Price—Each, 25c; 3 for 60c, postpaid.

Garden Lilies

Lilies in their many forms, are among the noblest and most beautiful of all bulbous plants. They are especially valuable for planting in the herbaceous border. They thrive best in a position where they will get the benefit of the shade of surrounding plants. Light, well-drained soil suits them best,—some leaf mould may be used to advantage. Bulbs should be planted about three times their own depth, and a small quantity of sand placed at the base of each. When hard frost sets in, protect with a light covering of leaves or litter. Lilies make splendid pot plants. Soil should consist of 3 parts friable loam, and one part leaf mould.

(Prices quoted are delivered.)

AURATUM, (Gold-banded Lily).—The grandest of all hardy lilies. Flower white, spotted maroon, with a band of bright yellow through the centre of each petal. Height 2 to 5 feet. (Delivery, November to May.) Large bulbs. Each, 35c; doz., \$3.50.

SPECIOSUM RUBRUM MAGNIFICUM.—White, shaded rose, spotted crimson. Flowers are of large size and striking appearance. 2 feet. Profuse bloomer. Beautiful and satisfactory. Delivery November to May. Each, 35c; doz., \$3.50.

HENRYI.—Same form and appearance as the Speciosums, but bright orange-yellow. One of the best lilies for general culture. Hardy, robust, and long-lived. Delivery November to May. Each, 60c; doz., \$6.00.

TIGRINUM SPLENDENS (Tiger Lily).—Rich orange-scarlet with black spots. 3 to 4 feet. Each, 20c; dozen, \$2.00.

TIGRINUM FLORE PLENO (Double Tiger Lily).—Orange-red, black spots, The only desirable double flowering Lily in cultivation. Each, 25c; dozen, \$2.50.

McDonald's Quality

Special Import Offer on Hyacinths Tulips and Daffodils

10 per cent. Discount until July 1st

SPECIAL IMPORT OFFER ON

PLEASE NOTE CAREFULLY. The bulbs on these two pages cannot be shipped until Autumn. By booking your order now for fall delivery you get the special discount of 10% and should we be able to quote any prices lower in our fall catalogue we will give you the lower price, less the discount.

This offer applies only to orders received up till July 1st. After this date net prices quoted in our Fall Catalogue will apply.

New Exhibition Hyacinths

Each 25c.

Dozen \$2.50

Our personally conducted trials of hundreds of varieties from the world's best Hyacinth Growers have enabled us to recommend with the utmost confidence those listed below. We therefore recommend them unreservedly to our customers.

ADMIRAL COURBET.—Enormous violet-blue.

CARDINAL MANNING.—Bright red. Early

CITY OF HAARLEM.—Well formed spike of pure yellow.

DR. LIEBER.—Deep porcelain blue.

EXCELSIOR.—Pink. Handsome spike.

HEIN ROOZEN.—Snowy white. One of the earliest.

IVANHOE. Indigo-blue, with white throat.

LA VICTOIRE.—Brilliant dark pink.

LORD BALFOUR.—Lilac-rose, tinged dark violet.

MENELIK.—Deep bluish black. Extra for forcing.

PANAMA.—Pink, finely formed. An improved Lady Derby.

QUEEN OF THE PINKS.—A real beauty. Brilliant pink.

WHITE LADY.—Beautiful pure white; well formed spike.

Superb Dutch Hyacinths

The Hyacinths listed hereunder are strictly select bulbs. If you miss a few of the older sorts you will know they have been discarded in favor of the more improved varieties. Second sized bulbs are specially selected for bedding.

FIRST SIZE.—Each, 20c; doz., \$2.00.

SECOND SIZE.—Each, 10c; doz., 90c; 100, \$7.00.

THIRD SIZE.—Each, 7c; doz., 60c; 100, \$4.50.

GERTRUDE.—Brilliant rosy-red.

ROI DES BELGES.—Deep crimson scarlet.

GIGANTEA.—Light rose. Fine forcer.

LADY DERBY.—Very fine soft pink.

GENERAL PELISSIER.—Crimson scarlet.

YELLOW HAMMER.—Golden yellow.

CROCUS:

Purpurea Grandiflora, purple Doz. 100

Yellow, giant bulbs \$0.30 \$2.25

Yellow, large bulbs45 3.25

All Colors Mixed30 2.25

FREESIAS. Doz. 100

Improved Purity, mammoth

bulbs \$0.50 \$3.50

SCILLA SIBIRICA (BLUE SQUILL)

Large Bulbs \$0.35 \$2.50

SNOWDROPS

Doz. Per 100

Single, white25 \$1.75

Double, white30 2.25

SINGLE NARCISSUS—

(Daffodils)

King Alfred (New

Giant), 3 for 50c \$1.75 Doz 100

Emperor, yellow60 4.50

Golden Spur, rich

yellow60 4.50

Bicolor Victoria60 4.50

Madame de Graaf,

white, superb70 4.75

Giant Princeps, im-

mense flower55 4.00

Sir Watkin, giant

medium trumpet... .85 6.00

Van Waveren's Giant,

largest in cultiva-

tion, each 30c.... 3.25 ..

Olympia, New, very

fine, each 30c 3.25 ..

Single Varieties Mix-

ed .. 50 3.50

POLYANTHUS NARCISSUS Doz. 100

Paper White Grandiflora, white.... \$0.60 \$4.50

Grand Soliel D'Or, yellow 1.20 9.00

JONQUILS.

Single, dainty golden yellow, fragrant... 30 doz.

Double, fragrant, very double..... 30. "

Campernelle, large and fine..... 40 "

New Daffodil King Alfred



DOUBLE NARCISSUS		Doz.	100
Double Van Sion, mother bulbs	\$0.60	\$4.50	
Alba Plena Odorata, white.....	.45	3.25	
Incomparable, primrose yellow	.55	4.00	
Orange Phoenix (Bacon and eggs).....	.50	4.50	
Sulphur Phoenix	.60	4.50	
Double Varieties Mixed	.35	2.50	
POETAZ NARCISSUS.			
Poetaz Elvira, white, yellow cup..	\$0.75	\$5.50	
Poetaz Aspasia, white perianth, yellow eye ..	75	5.50	
Poetaz Jaune a Merveille, Golden yellow ..	65	5.00	
NARCISSUS POETICUS			
Poeticus Ornatus	.50	3.50	

These Bulbs for Fall Delivery Only



Bulbs & Roots

Not Later

Free Delivery

HYACINTHS, TULIPS, DAFFODILS, etc.

As to Quality—We purchase from Holland's leading growers their highest grade stocks only. The quantity of this grade is always limited. The demand for McDonald's Quality Bulbs always exceeds the supply after the planting season opens, consequently many of our customers are each year disappointed. By ordering before July 1st you are assured of delivery at proper planting season and of obtaining "The Cream of the Crop." We Guarantee bulbs to reach you safely and in good condition. Full cultural directions will accompany shipment. Charges will be prepaid.

SINGLE EARLY TULIPS.

	Per Doz.	Per 100
Belle Alliance, rich crimson....	.50	3.50
Cottage Maid, pink and white..	.55	4.25
Couleur Cardinal, crimson.....	.75	5.50
Chrysolora, golden yellow....	.50	3.25
Dusart, crimson scarlet.....	.50	3.25
Fred Moore, Ruddy Apricot....	.40	3.00
Gold Finch, deep yellow	.50	3.50
Hobbema old rose flushed buff	1.00	7.00
Joost van Vondel, cherry red..	.50	3.25
Keizer Kroon, crimson scarlet edged rich yellow	.50	3.75
La Reine, white flushed pink..	.35	2.75
Maes, Dazzling Scarlet.....	.65	4.75
Mon Tresor, golden yellow....	.50	3.75
Pink Beauty cherry-rose.....	.75	5.50
Prince of Austria, coppery red..	.50	3.75
Proserpine, rosy carmine.....	.70	4.75
Queen of the Netherlands, beautiful pale rose.....	.50	3.75
Rose Luisante, deep rose-pink..	.90	6.50
Vermillion Brilliant, scarlet....	.75	5.50
White Hawk, pure white, fine..	.75	5.50
White Swan, white.....	.50	3.75
McDonald's Special Mixed ...	.30	2.25
McDonald's Superb Mixed, a fine well balanced mixture.....	.40	3.00

BREEDER TULIPS.

	Doz	Per 100
Albion, lavender white, flushed deeper ..	\$2.50	18.00
Bacchus, dark violet blue	2.50	18.00
Bronze Queen, soft golden bronze ..	.75	5.00
Dom Pedro, coffee brown, shaded maroon	2.00	13.50
Godet Parfait, blue purple, white base	1.25	8.00
Jaune d Oeuf Ruddy Apricot	.60	4.00
Louis XIV, dark purple and golden bronze	2.50	18.00
Prince of Wales, warm maroon brown	3.00	22.00
Fine Mixed Breeders good selection ..	.55	4.25
PARROT TULIPS		
Fine Mixed Parrot Tulips	.40	3.00

GIANT DARWIN TULIPS

	Doz.	Per 100
Baronne de la Tonnaye, rose....	\$0.55	\$4.00
Clara Butt, clear pink.....	.55	4.00
Dream, rosy lilac and mauve....	.55	4.00
Edmee, cherry rose.....	.75	5.50
Europe, glowing fiery crimson..	.60	4.50
Euterpe, silvery mauve lilac....	.55	4.50
Isis, intense fiery scarlet.....	.60	4.50
King Harold, deep purple.....	.60	4.50
La Candeur, lilac white.....	.60	4.50
La Tulipe Noire, glossy black...	.60	4.50
Marconi, purple shaded maroon..	.55	4.25
Margaret, pale silvery rose.....	.50	3.75
May Queen, soft lilac rose.....	.55	4.00
Mr. Farncombe Sanders, rosy red	.70	4.75
Mrs. Potter Palmer, violet.....	.60	4.50
Ouida, bright crimson scarlet....	.55	4.00
Pride of Haarlem, rosy carmine..	.45	3.25
Psyche, delicate old rose.....	.50	3.75
Princess Elizabeth, clear pink....	.75	5.75
Professor Rauwenhoff, red.....	.75	5.75
Rev. H. Ewbank, soft lavender..	.50	3.75
McDonald's Superb Mixed, Darwin tulips	.35	2.75

REMBRANDT TULIPS.

Quasimodo, white and carmine..	.60	5.50
Springtime, lilac flamed red...	.60	5.50
Red Prince, rose flamed red	.60	5.50
Mixed Rembrandts ..	.50	3.75



Double Narcissus, Van Sion

DOUBLE EARLY TULIPS

	Doz.	Per 100
Boule de Neige, enormous white	\$0.70	4.75
Couronne d'Or, rich yellow	.70	4.75
Imperator Rubrorum, crimson	.70	4.75
Murillo, delicate pink and white	.40	3.00
Rubra Maxima, dazzling red	.50	3.50
Tea Rose, saffron-yellow shaded rosy apricot	.55	4.00
Tournesol red and yellow..	.60	4.25
McDonald's Superb Double Mixed ..	.35	2.75

COTTAGE TULIPS.

Blushing Bride, rose pink..	\$0.50	3.75
Fairy Queen, soft rosy lilac	.50	3.50
Gesneriana Spatulata, scarlet	.50	3.75
Inglescomb Pink, rosy pink	.55	4.00
La Merveille, orange scarlet	.50	3.50
Moonlight, soft canary yellow ..	.60	4.50
Mrs. Moon, rich golden yellow	.70	4.75
Picotee, white striped rose	.50	3.50
The Fawn, pale rosy fawn	.50	3.75
Cottage Mixed, all colors..	.35	2.50

McDONALD'S HYACINTH COLLECTION

\$1.00 Net No Discount

This collection has always been exceedingly popular with our customers. Varieties have been carefully selected, and embrace the most pleasing colors. All bulbs are of strictly exhibition size, and each may be relied upon to give a good full spike of bloom. The price of this fine collection is \$1.00 net, carriage paid to any address in Canada.

ADMIRAL COURBET—Deep violet-blue. Enormous trusses.

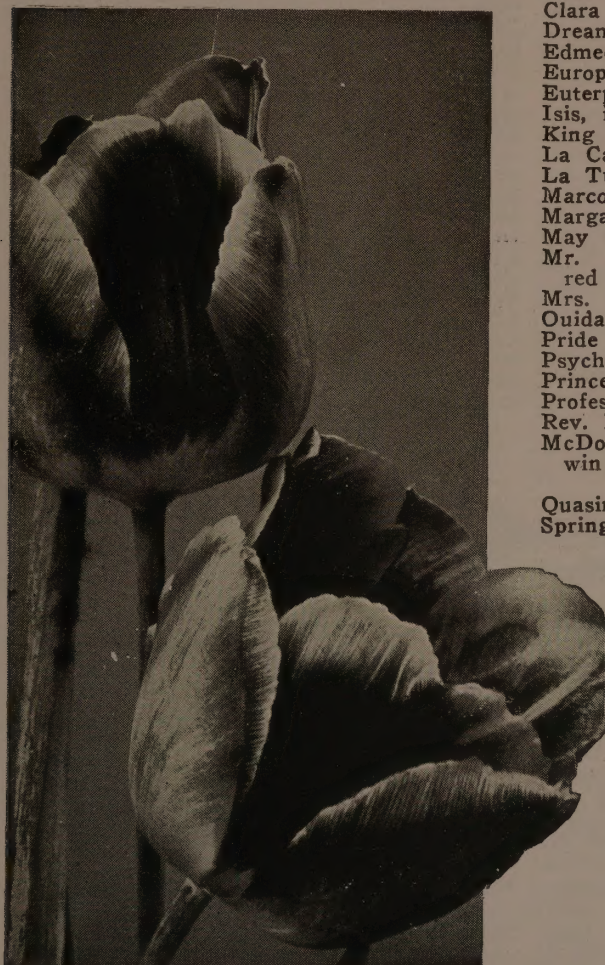
CITY OF HAARLEM—Bright golden yellow. One of the best yellows.

GRAND MAITRE—Dark lavender-blue. Immense spikes; large bells.

LADY DERBY—Very fine soft pink with lighter centre.

L'INNOCENCE—Very early. Pure white. Massive compact spike.

QUEEN OF THE PINKS—The best pink in our list.



Mr. Farncombe Sanders.

These Bulbs for Fall Delivery Only



High Grade Fertilizers

STIM-O-PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office.

A Modern, Efficient and Scientific Method of Fertilizing Growing Plants.

Plant success is a matter of feeding crops definite amounts of stimulating foods as plants need them. Stim-U-plant tablets enable the planter to keep development absolutely under control, for he can feed his plants as they need food. They increase production, hasten maturity, improve quality, and better the color of the plants and products. Their use is highly profitable, for all these benefits costs only a fraction of a cent for each application. Stim-U-plant contains a guaranteed analysis of 11 per cent. Nitrogen, 12 per cent. Phosphoric Acid, and 15 per cent. of Potash. All who grow plants, either in the home, greenhouse, garden, or farm, will find Stim-U-plant of inestimable value. Supplied in four sizes at following postpaid prices:—Trial size, 20c; small size, 35c; 100 tablets, \$1.00; 1,000 tablets, \$4.25.

STERLINGWORTH PLANT TABLETS.

—A powerful odorless plant invigorator, with ingredients properly proportioned to produce luxuriant, vigorous growth of branch, leaf and flower. An excellent stimulant for potted plants, furnishing them with an abundance of health and vigor. These tablets are clean and easy to use, and will produce excellent results. Price, per package, containing 100 tablets sufficient for 35 plants for 3 months, 30c postpaid.

STEAMED BONE MEAL.—Undoubtedly one of the best organic fertilizer materials. Highly recommended for orchards, vineyards, and all horticultural work, also pastures, etc. Use finely ground bone at the rate of 400 to 500 lbs. per acre, and the effects will be seen for years. It is better to double the productiveness of a pasture rather than double its area. Price, per lb., 10c; 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00.

PURE BONE FLOUR.—Very finely ground; excellent for pot plants, for roses, and desirable as a dressing for the lawn. Price per lb., 10c; 5 lbs., 35c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00.

HARAB-DAVIES, GARDENER'S SPECIAL, 5-12-0.—Highly recommended for early and late tomatoes, celery, cabbage, onions, asparagus, and other vegetables. Price—125 lb. sack, \$5.00; ¼ ton, \$18.00.

THOMSON'S VINE, PLANT AND VEGETABLE MANURE.—This English-made plant food has been on the market for over 40 years, and is still giving the best results. We can confidently recommend it as a safe and reliable food and stimulant for all vegetable, foliage, and flowering plants and vines. It is also unexcelled for use on lawns, bowling-greens, etc. This manure is the result of many years practical experience in gardening, and has made for itself a unique place in the estimation of horticulturists all over the world. Price—112 lb. sack, \$9.00; 28 lb. sack, \$2.75; 7 lb. sack, \$1.00. Large tin for house and small garden use, 50c.

PULVERIZED SHEEP MANURE.—Wizard Brand Sheep Manure is a rich, pure pulverized natural manure without chemical treatment or mixture. It is prepared from

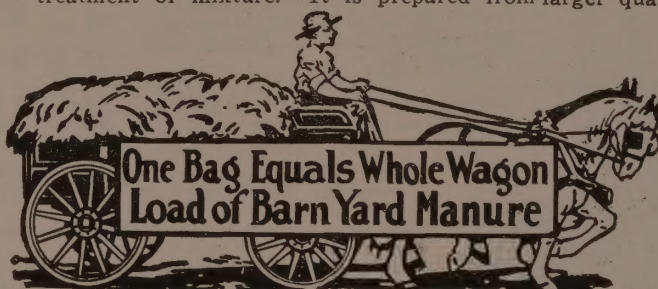
HARAB-DAVIES LAWN AND GARDEN DRESSING, 4-8-4.—This is a well-balanced, complete fertilizer, made especially for lawns, shrubs, flowers and vegetables. This fertilizer when stirred in around the roots of flowers and shrubs will make a surprising difference in their luxuriance and brilliance. For all vegetables, 4-8-4 will give excellent results. 5-lb. cartons, each, 50c; 125 lb. sacks, \$4.75; ¼ ton, \$17.00. Write for price on larger quantities.

HARAB-DAVIES, 4-8-6.—This concentrated manure is an exceedingly high grade product, and is splendidly adapted for Beets, Cauliflower, Onions, Potatoes, and Field Root Crops. Also an excellent fertilizer for tobacco. This manure will be found to be a money-maker for every Market Gardener, and Farmer who uses it. Per 125 lb. sack, \$5.00; ¼ ton, \$18.00. Write for price on larger quantities.

HARAB-DAVIES, 2-8-4.—Recommended for the following with manure:—Corn, roots and general farm crops. Price, 125 lb. sack, \$4.25; ¼ ton, \$14.00. Write for price on larger quantities.

HARAB-DAVIES, 5½-11-0.—An excellent fertilizer for small fruits and orchards. Use this to obtain maximum crops. Price 125 lb. sack, \$5.00; ¼ ton, \$18.00. Write for price on larger quantities.

NITRATE OF SODA.—To grow maximum crops, the plants must receive plenty of Nitrogen. Nitrate of Soda is the cheapest and best form in which to apply Nitrogen to plants. Should not be applied until plants are well established, lumps should be crushed, and applied as a top dressing, 100 lbs. per acre, on such crops as Beets, Cabbage, Cauliflower, Celery, Cucumber, Lettuce, Spinach, Onions, also same amount for Strawberries after blossoming. On Asparagus, use 250 lbs. per acre after first shoots appear. Nitrate of Soda is largely used in small gardens, in liquid form, at the rate of one ounce to 2 gallons water. Price, per lb., 15c; 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.50.



unusual quality of sheep feeding station manure, dried and sterilized, screened and uniformly ground into a convenient concentrated form with every weed and foreign grass seed absolutely destroyed. One bag equals a whole wagon-load of barnyard manure. It is unequalled for mixing with the soil for flower, vegetable, and fruit crops, and for potted plants. For the garden, scatter the Sheep Manure uniformly after spading, using 50 to 100 pounds for each 1,000 feet of surface, and work in with a rake before planting. For home use it is conveniently packed in cartons:—2 lb size, 25c; 5 lb size, 50c; 25 lb. sack, \$1.00; 50 lb. sacks, \$1.75; 100 lb. sacks, \$3.25; ¼ ton \$15.00.

Effective Insecticides & Germicides



This fly comfort for all live stock is a harmless, reliable liquid preparation which protects horses, cattle, and all domestic animals from flies, gnats, mosquitos, and all other insect pests. It is sure death to flies, but it is intended to drive them away rather than kill them. To kill flies, they must come in contact with the remedy, and this is an annoyance that should be avoided. This feature is what makes "Animal-Ease" better than other preparations, which only kill the insects. "Animal-Ease" increases milk production about 20%. It keeps cows healthy, happy and contented. It drives away lice, vermin, and all other life-sapping insects from domestic animals, allowing them to develop to their fullest extent in size and productiveness.

"Animal-Ease" heals cuts, sprains, bruises, and all animal wounds. It is a reliable antiseptic and disinfectant that every owner of stock should have always on hand.

POULTRY.—"Animal-Ease" is an excellent spray for the Poultry House for the prevention of lice, and other insect pests.

SWINE.—An occasional spraying of "Animal-Ease" will keep hogs healthy and help ward off disease as well as being an excellent protection against lice.

ANIMAL-EASE is not expensive to use, as it is applied in a fine spray. Price, per gallon can, \$1.25; 5 gallon can, \$5.00.

ARSENATE OF LEAD POWDER.—An effective insecticide for codling moth, potato bug, and all leaf-eating insects. As poisonous as Paris Green, but less injurious to plants. Mixes readily with water, and sticks well to the foliage. One pound of powder makes about twice as much spraying solution as same weight in paste form. ½ lb. cartons, 40c; postpaid, 50c; 1 lb., cartons, 65c; postpaid, 75c; 5 lb. cartons, \$2.75; 10 lb. cartons, \$5.00; 20 lb. cartons, \$9.50; by express at purchaser's expense.

BLACKLEAF 40.—Fruit, Vegetables, Flowers, Shrubs, are subject to attack by myriads of insect enemies. The common soft-bodied sucking insects are aphids (plant lice), thrips and leaf hoppers, attacking a variety of plants, roses, and other flowers, shrubs, fruits and vegetables. They may be controlled effectively by spraying with "Black Leaf 40," which is a concentrated solution of nicotine sulphate, guaranteed to contain not less than 40% of nicotine by weight. Recommended in the U. S. and Canada by experts of high professional standing. Full directions on containers. 1 oz. bottle, 35c; ½ lb. tin, \$1.50; 2-lb. tin, \$3.75; 10-lb. tin, \$15.50.

BORDEAUX MIXTURE (Hammond's) in Pulp.—To be diluted 25 to 50 times with water and sprayed. Works freely without clogging in any spraying machine. Quart tins, 90c.

BORDEAUX MIXTURE POWDER.—An excellent fungicide. Used principally for mildew, blight, and fungous diseases that affect potatoes, and fruit trees. Full spraying directions on each package. Price per pound, 60c; postpaid, 70c; 5 lbs. \$2.50; 10 lbs. \$4.75, by express at purchaser's expense.

CARCO.—Root Maggots are hatched from eggs deposited on the plants by the Maggot Fly. This fly dislikes the odor of the spray, and will not deposit its eggs where the odor is present. This spray will kill maggots, grubs and caterpillars by contact, when freely used. Save your Cabbage, Turnips, Radishes, Beans, Beets, Cauliflowers, Onions, etc., from maggots and other injurious insects. Pint, 50c; quart, 75c; ½ gallon, \$1.25; Gallon, \$2.25.



SLUG SHOT (Hammond's).—An insecticide for the destruction of potato bugs, worms, and all insects injurious to house and garden plants. Price: 1-lb. carton with perforated top to dust out, 30c; 5-lb. package, 90c.

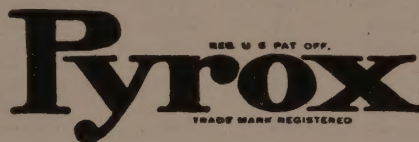
COPPER SULPHATE OR BLUESTONE.—Extensively used in the preparation of Bordeaux Mixture. Price: Per lb., 20c; 10 lbs., \$1.75; 100 lbs., \$15.00.

FORMALDEHYDE.—Prevents smut and other fungous diseases on wheat, barley, oats and other grains, also scab on potatoes. Pint, 75c; quart, \$1.25.

GRAPE DUST (Hammond's).—Excellent for prevention and destruction of mildew on roses, grapes, gooseberries. Per pkg., 40c.

HELLEBORE.—For destruction of slugs, to use than Paris Green. Especially valuable worms, caterpillars; less poisonous and safer to use when fruits and vegetables are nearly ripe. Can be used as a powder or dissolved. Use 1 ounce to 3 gallons of water. Price: ¼ lb., 30c; ½ lb., 50c; 1 lb., 90c.

NICO-FUME.—A highly refined solution of "free" Nicotine, extensively used by florists for spraying and fumigating. Price, ¼ lb., 85c; 1 lb., \$2.50; 4 lbs. \$8.50; 8 lbs., \$16.00.



PYROX.—Bugs are bad, but blight is more destructive. The spores are so tiny they cannot be seen with the naked eye, but actually they rob you of more potatoes than bugs do. Pyrox protects the crop against blight and at the same time kills the potato bug. It keeps the foliage healthy and green throughout the growing season; gives it greater vigor and enables the plant to produce to its limit. Every potato grower knows that the last ten days is the period when the tubers are increasing in size. Pyrox is maturity insurance. It gives the little potatoes a chance to grow up into big ones.

Pyrox is as good for apples, tomatoes and other fruits and vegetables as it is for potatoes. By invigorating the foliage, it causes the fruit to hang on longer, so that it takes on size, finish and quality.

Pyrox is a smooth, creamy paste, all ready for use by mixing with cold water. It saves time and labor at the busiest time of the year. It adheres to the foliage in spite of heavy rains. Fifteen more perfect apples on the tree will pay for Pyrox. Price: 1-lb. jar, 50c; 5-lb. iron, \$2.00; 10 lbs., \$3.50; 25 lbs., \$8.00; 50 lbs. \$15.00; 100 lbs., \$28.00.

PARIS GREEN (Best quality).—½ lb. tins, 40c; 1 lb. tins, 65c; 25 lb. drums, \$15.00.

PYRETHRUM POWDER.—Per lb. \$1.25; ½ lb. 75c; ¼ lb., 40c.

SULPHUR (Powdered).—Lb., 10c; 25 lbs., \$1.50; 100-lb. sack, \$5.00.

SULPHO TOBACCO SOAP.—Excellent remedy for green fly on roses. Per cake, 15c and 35c, postpaid.

"CORVUSINE" D. G. Seed Protection, Crop Insurance.—Try Corvusine Dressing on five acres of seed grain or seed corn this Spring, and then compare the yield with any other five acres on your whole farm. Make this practical test with Corvusine and see for yourself how it saves and increases the crop. "CORVUSINE" eradicates "smut" by preventing it from spreading and finally destroying it completely. "CORVUSINE" protects the seed from birds and vermin—preserves the seed in cold, damp weather—helps the seed to germinate—and insures sound, vigorous growth. Price as follows: No. 1 size can, sufficient for from 12 to 16 bushels Seed Grain or 16 bushels Corn, \$2.25; No. 2 size, sufficient for from 30 to 40 bushels Seed Grain or 40 bushels Corn, \$4.50.



TREE TANGLEFOOT.—Sticky substance applied direct to bark as protection against moths, ants, worms, and other creeping insects. 1 lb. tin, 50c.

WEED KILLER (Hammond's).—Prevents weeds and grass growing on paths and drives, or wherever vegetation is not wanted. Per quart, 60c.

WHALE OIL SOAP.—One of the best insecticides for plants when infected with scale insect. Recommended by the Central Experimental Farm. Price per tin, 35c.

SOX—THE KING OF INSECTICIDES.—Very Highly Commended by the Royal Horticultural Society.

The wonderful success of SOX as an Insecticide and Fungicide, is phenomenal. It quickly kills caterpillars, greenfly, aphides, mildew, and blight, while it is absolutely harmless to plant life, and is non-poisonous.

SOX forms a permanent Emulsion, with either hard or soft water, without sediment or precipitate, and cannot choke syringe, or spraying machine.

Size	contains	Tablets	Making Gals.	Post-Paid
1	contains	3	3	.35
2	contains	6	6	.60
3	contains	12	12	1.00
4	contains	24	24	1.75

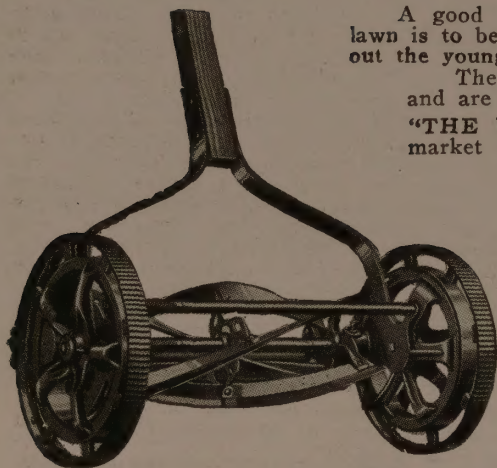


Solidified Coal Tar Disinfectant and Soap

TARX is quickly dissolved in water, a cube to the gallon, making a solution which will kill ticks, fleas, lice, and other disease-spreading vermin. It is an excellent dip for cattle, sheep, hogs, horses, dogs, poultry, etc., and an excellent disinfectant for barns, stables, poultry houses, and other buildings. Recommended by Veterinary Director General's Department at Ottawa. Price.—8 cube package, 35c; postpaid, 45c; 20 cube package, 85c; postpaid, \$1.00.

Lawn Garden Sundries

Lawn Mowers



A good Lawn Mower is an absolute essential if your lawn is to be kept in perfect condition. A poor Mower pulls out the young grass, roots and all, instead of cutting it.

The Mowers we offer, are the product of specialists, and are made of highest grade materials throughout.

"THE WOODYATT"—This Mower has been on the market too long to need any introduction. Has 10½ inch drive wheels. The drive wheel gearing comes into contact with the toothed inner surface of the wheel rims, giving speed and power, as well as providing a smooth even cut on rough ground. Strong, light running, and beautifully finished. Price, 16-inch cut, \$12.50; 18-inch cut, \$13.50. Carriage paid.

"THE EMPRESS."—An extra good Mower which the manufacturers claim to be the best ball-bearing machine made, regardless of price. It is made of high-grade materials throughout. Is quick and keen in action, easy running, and silent. 10½ inch drive wheels. A machine we recommend. Price, 16-inch cut, \$14.75; 18-inch cut, \$15.50; 20-inch cut, \$16.00, carriage paid.

"THE ADANAC"—This machine will last longer, and will do more work with less labor, than any other Mower. Its reputation for perfect work, long service, and general sturdiness, has been solely the result of its merits. The Adanac is quiet and easy running, and is especially adapted for continuous work on large lawns, in parks, or tennis courts. Price, 19-inch cut, \$27.00; 21-inch cut, \$29.00; carriage paid.

LAWN TRIMMERS.—Long grass around walks and flower beds detracts from the appearance of the whole place. Lawn Trimmers make it easy to trim the grass where Lawn Mowers cannot reach.

"THE DOMINION"—7-inch drive wheel. An excellent machine, strongly made. Does all kinds of trimming. Each, \$9.00.

"THE GLEANER". Strong, light, and powerful. 9" wheel 8 inch cut. Each, \$12.50.

GRASS CATCHERS.—Always use a Grass Catcher, or rake off clippings carefully with a lawn rake. Grass cuttings scattered over the lawn are apt to mildew. This, in turn, is apt to cause acidity in the soil.

We can supply the "Noxall", with canvas catchers, as follows:—For 16 to 18 inch Mowers, each, \$1.50. For 19, 20, and 21 inch Mowers, each, \$2.50.

Improved Water-Weight Rollers

This water-ballast, roller-bearing, Lawn Roller is made of best quality heavy steel. May be weighted with either water or sand. Specially suited for lawns, tennis courts, and putting greens. The drums are welded, doing away with the roughness caused by rivetting. Supplied in either single or double drums. Outer rims of drums are rounded, allowing Roller to turn easily without cutting up the lawn. Easiest Roller on the market. All sizes listed are supplied with counter balancing handle weights.

	Diam.	Length	Weight	Filled	Filled	
	inches.	inches.	empty.	with water.	with sand.	Price.
*Single Drum, No. 1...	18	24	135 lbs.	360 lbs.	560 lbs.	\$20.00
" " " 2...	24	24	185 "	560 "	860 "	26.00
" " " 3...	24	27	190 "	620 "	947 "	27.00
" " " 4...	24	30	198 "	690 "	1050 "	28.00
" " " 5...	24	32	200 "	710 "	1060 "	29.00
*Double " " 11...	18	24	160 "	360 "	560 "	28.00
" " " 12...	24	30	223 "	697 "	1035 "	32.00
" " " 13...	24	32	230 "	710 "	1060 "	36.00
" " " 14...	24	36	260 "	760 "	1110 "	40.00

*Most popular sizes.



Lawn Sundries

MCDONALD'S EXTRA QUALITY, NON-KINKABLE CORRUGATED HOSE.

An exceptionally high grade garden hose, being made of extra quality new rubber. It will stand a high pressure, and will outlast a cheaper hose three times over. Retains its resiliency for years. Every length of 50 feet or over is fitted with a complete set of water-tight couplings, which are supplied without charge. We can supply this grade-grade hose in any length desired. Price ½ inch, per foot, 17c; ¾ inch, per foot, 23c.

MCDONALD'S SPECIAL LAWN HOSE.

This is a first-class, smooth hose, and will give good service. Couplings are included in lengths of 50 feet or over. Price, ½ inch, per foot, 12c.

HOSE NOZZLES.—The "Gem."—Adapted for a wide range of uses. Will throw a spray or solid stream. Each 90c.

HOSE COUPLINGS.—½ inch and ¾ inch, each 15c; Galvanized, ½ inch or ¾ inch, each 15c.

HOSE BANDS OR HOSE CLAMPS.—Each 5c; doz. 50c.

HOSE WASHERS.—Rubber. Per dozen, 25c.

HOSE SPRINKLERS.—The Fountain.—Made of heavy brass, \$1.00. Fountain, Half Circle—Fine spray, 75c.

HOSE REELS.—Watson.—Wood frame, galvanized iron drum, \$2.50. Maple Leaf—All steel, \$2.00.

GIBBS REVERSIBLE LAWN.—Made of heavy tinned wire. Light and durable. Price, 90c.

STAR LAWN RAKE.—Made from one piece sheet steel concaved, with solid teeth. Price, 75c.

OLE OLSEN LAWN RAKE.—Well made of straight grain hardwood, thoroughly seasoned and oil finished. Price, \$1.50.

LAWN SHEARS AND KNIVES

GRASS OR SHEEP SHEARS, per pair, 90c and \$1.25.

GRASS OR HEDGE SHEARS, English make, wood handles nicely finished, \$2.25 pair.

LONG HANDLE SHEARS, 9½ inch plain, per pair, \$3.50; with wheels, \$3.75.

GRASS PLOT OR EDGING KNIVES.—English made. Price, \$2.00.

SOD LIFTERS, OR TURF IRONS.—Price, \$4.50.

LAWN WEEDERS, CLEVELAND.—With this tool weeds can be drawn from the ground in a jiffy without the necessity of stooping. Each, 90c.

"DANDY LION" LAWN WEEDER.—Kills dandelions, burdock and other weeds quickly and easily without cutting, or pulling. Each, \$1.50.

ENGLISH LAWN WEEDER OR GRUBBER.—Each, 50c.

Garden Sundries

ASPARAGUS KNIFE.—For cutting Asparagus. Also useful for cutting lawn weeds. Each, \$1.00.

BASKETS, BERRY BOXES AND CRATES

	Per Doz.	Per 25	Per 100
Fruit Baskets—6 quart or 10 lb. size	\$1.00	\$2.00	\$7.00
Fruit Baskets—11 quart or 15 lb. size	\$1.20	\$2.25	\$8.00
Basket Covers, Leno. For 6 and 11 quart Baskets. Per 100	\$4.00		
Berry Boxes. Quart size, per crate of 250, \$2.50. New style, tin top, per crate of 250, \$2.75.			
Plant Boxes. Per Crate of 200, \$2.75; 1,000, \$12.50.			

CULTIVATORS AND WEEDERS

"Pull Easy" Adjustable Cultivator.—An excellent tool. Can be used spread out to the full 12 inches as a rake, or closed to any width down to 7 inches, \$1.75. Norcross.—5 prong. Loosens soil thoroughly. Gets down deep after the weed roots. A great labor saver. \$1.50.

DIGGING FORKS AND SPADES:

	Each
FORKS —Men's heavy, English, D. Hdle.	\$2.75
Men's heavy, Domestic D. Hdle.	2.00
Ladies Medium English D. Hdle.	2.25
SPADES —Men's English, best quality.	2.90
Men's English, good quality.	2.00
Ladies English, best quality.	2.00

GARDEN REELS.—English make. Triangular \$1.75.

GARDEN LINES.—Best Italian Hemp. 30 yards, 90c.; 60 yards, \$1.75.

RAFFIA.—Finest Madagascar. Best material for tying vegetables and for staking plants. Per lb. 50c.

PRUNING KNIVES.—Stag handles. Each \$1.00, \$1.50 and \$1.75.

BUDDING KNIVES.—Ivory handles. Each \$1.25, \$1.50 and \$1.75.

PRUNING SHEARS (Secateurs).—Best imported makes. \$1.75, \$2.00, \$2.50 and \$2.75 according to quality.

HEDGE SHEARS. English make. Per pair \$2.25.

LOPPING SHEARS.—For tree pruning. Per pair \$3.25.

TREE PRUNERS.—"Waters" make. Long handle, \$2.50. "Clean Cut." Long handle, \$1.75.

PRUNING SAWS.—"Lightning" double edge 90c.

LABELS, WOOD (For pot and garden plants.)—Price, per 100, postpaid, 4", 35c; 5" 40c; 6", 50c; 8", \$1.35; 10", \$1.50; 12" \$1.75.

TREE LABELS.—3½ inch wood. Copper wired. Per 100, 45c; per 1,000, \$3.75.

Chandler make. Indestructible copper. Box of 30, 75c.

STAKES.—(Bamboo)	Doz.	Per 100
4 foot light, plain.....	\$0.20	\$1.50
5 foot medium, plain.....	.50	3.50
6 foot medium, plain.....	.60	4.00
7 foot medium, plain.....	.90	6.50

TROWELS

Heavy 6 inch. Very strong, 75c.
Medium 6 inch. Same pattern as above, but lighter, 30c.

English make, nicely finished, 65c.

Narrow Transplanting Trowel, 25c.

DIBBERS.—Best Steel. Wood handle, \$1.00.

TAR PAPER DISCS.—Used as collars on Cabbage, Cauliflower, etc., as preventative against cutworms. Per 50, 25c.; per 100, 40c.; postpaid.

RAKES. —Steel, 14 tooth Concave		\$1.10
" 16 tooth		\$1.20
" 14 tooth Straight		\$1.00
" 16 tooth		\$1.10

WEEDERS

LANG'S IMPROVED.—A real labor saver. Each 30c.

EXCELSIOR.—Each 20c.

HAZELTINE.—Each 35c.

WEED FORKS.—Short handle, 60c.

WHEELBARROWS.—For garden and farm use. Steel wheels. Nicely finished wood body. Medium weight, \$6.50; Heavy, \$7.50.

WATER POTS, Regular Style

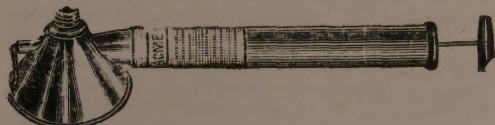
GALVANIZED.—6 quart, \$1.10; 10 quart, \$1.25; 14 quart, \$1.75.

JAPANNED.—2 quart, 60c.; 4 quart, 70c; 6 quart, 75c.; 10 quart, 90c.; 12 quart, \$1.00; 14 quart, \$1.15.

HAW'S ENGLISH.—All roses and jets are of brass, and material throughout is extra heavy. Prices: \$2.50 to \$6.50 each, according to size.

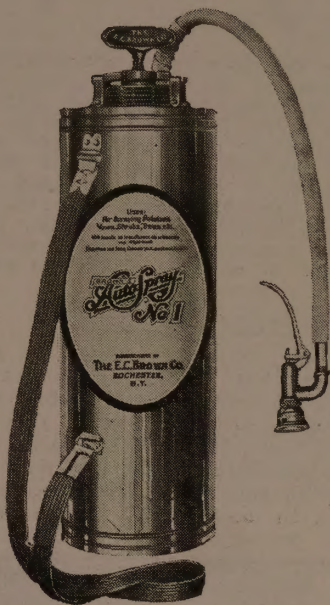
PLOWS.—We carry a complete line of Wilkinson and Percival Plows. Wilkinson one horse, \$20.00; Nos. 4, 5, 7, and 12, \$22.00 each; Nos. 3 and 30, \$23.00 each. Percival, Nos. 7, 12 and 21, \$23.00 each.

SEED CLEANERS.—The "Clipper," No. 1-B. Leading and best all-round farm mill without exception, and the only hand air-cleaner made. Cleans all classes of seed and grain in one operation. Set of ten screens, specially selected by the Secretary Canadian Seed Growers' Association, supplied with each machine. Write for descriptive circular. Price \$50.00, delivered to purchaser's station.



ACME ATOMIZER.—The most satisfactory fog sprayer at the price. Made of tin and galvanized iron. Useful for spraying flowers, shrubs, vegetables, and for applying fly-oils to animals. Each, 75c; postpaid, 95c.

Spraying Apparatus



DEMING 'SUCCESS' BUCKET SPRAY PUMP.—This is without doubt the most popular bucket spray pump on the market to-day. A pump of this type is practically indispensable for spraying flowers, vegetables, trees, or for applying whitewash and disinfecting barns and poultry houses. Much used for applying cattle fly-oil, stock dip, etc. Working parts, cylinder, and air-chamber are of brass. Supplied with 3 feet of 3-8 inch hose, and Bordeaux adjustable spray nozzle. An easy working powerful pump. Price, \$8.50, delivered.

EUREKA BUCKET SPRAY-PUMP.—A powerful bucket spray pump for spraying trees, bushes, etc., and for whitewashing and spraying disinfectants. Brass cylinder. A substantial and satisfactory pump. Each \$6.75 delivered.

DEMING UNIVERSAL SUCCESS SPRAY PUMP.—In this outfit the "Success" Bucket Spray Pump described above, is firmly attached to a 4-gallon galvanized tank. Tank is fitted with sliding cover to prevent solution splashing, as well as agitator and extra attachments for spraying. Very popular with florists, gardeners, poultrymen and stockmen. Price, \$16.50, delivered.

SMITH'S BOTTLE ATOMIZER.—Made of solid brass. Nickel plated. Fits in ordinary bottle. Throws an exceedingly fine spray. A very satisfactory sprayer for house plants, rose bushes, etc. Price, \$1.75; postpaid, \$1.90.

SCOLLAY'S RUBBER SPRINKLERS.—Largely used by florists for sprinkling cut flowers. Straight or angle neck. Each, \$1.75; postpaid, \$1.90.



O. K. CANADIAN TWO-ROWED SPRAYER.—(See illustration).—Just the thing for the small orchard, and Potato spraying. This spraying outfit is of the wheelbarrow type, easy to shove between the rows. Wheeling the Sprayer operates a force pump as well as agitator which keeps solution thoroughly stirred. Nozzles throw fine, copious mist, deluging both rows. Also useful for spraying poultry houses and stables. Heavy galvanized tank of large capacity. Price \$38.50.

Auto Spray Air Sprayer

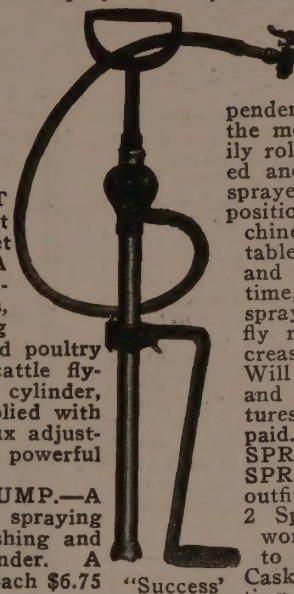
The standard of all compressed air Sprayers for garden and field crop spraying. It has held its leadership for over 18 years, during which time over 500,000 have been sold.

USAGES.—For spraying trees, shrubs, vines, roses, potatoes, tomatoes, field crops, fowl runs, and for general use in greenhouses. Will apply Paris Green, Arsenate of Lead, Bordeaux Mixture, Lime and Sulphur Emulsions, Disinfectants, Cattle fly-oil, Whitewash, cold water paints, etc.

10 to 15 strokes of plunger in air chamber will compress enough air to discharge the entire contents and make a continuous spray from 7 to 10 minutes. After pumping, the operator need only direct the spray. This Sprayer is strong and light, and being carried by a shoulder-strap, a boy can carry it with ease, and can cover ten times more area in a day than can be covered with the old-style Sprayers.

Auto Spray No. 1D, galvanized tank with newest style nozzle. \$7.50 delivered.

Auto Spray No. 1B, brass tank. \$11.00, delivered.



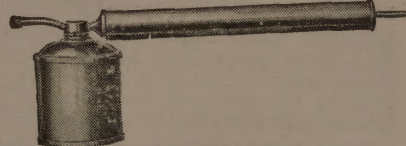
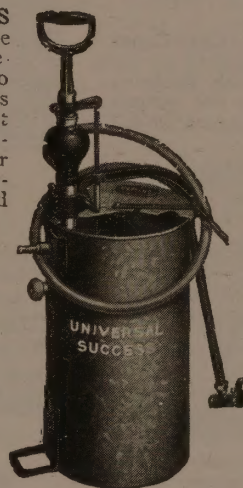
SPRAMOTOR KNAPSACK.—The Spramotor is all brass. Agitator may be operated inde-

pendently or automatically with the motor. Tank is made of heavily rolled hard copper, double seamed and soldered. Plants may be sprayed from below or from any position desired. An excellent machine for spraying potatoes, vegetables, gooseberries, strawberries, and small fruit crops. During fly time, a boy in a few minutes can spray a large herd of cattle with fly repelling solution thereby increasing the milk yield one-third. Will also spray paint, whitewash, and all kinds of spraying mixtures. Price, \$22.50, express prepaid.

SPRAMOTOR POTATO SPRAYING OUTFIT.

—This outfit consists of a powerful No. 2 Spramotor Pump with brass working parts fitted on to a 40 to 60 gallon heavy oak barrel. Cask has bottom frame permitting it to stand lengthwise on truck. Other attachments included are barrel strainer, 1-10 inch line heavy hose, hand valve, reducer coupling, also one solid brass adjusting 4-row sprayer together with 4 nozzles. Price, \$47.50.

10-foot Bamboo rod—with drip guard—and 2-cluster nozzle for spraying trees or white-washing, add \$4.00.



AUTO SPRAY No. 26.—This atomizer throws a continuous mist-like spray. Made of brass. Tank may be removed from Sprayer enabling operator to clean any part quickly. Price, \$1.50; postpaid, \$1.75.

POWDER DISTRIBUTORS.

DUSTER BROWN.—The new powder distributor. Throws insecticides in powder form evenly over surface. Made of tin nicely painted and finished. With reasonable care will last for years. Just the thing for poultrymen, florists, and gardeners for insecticides and fungicide materials. Each, \$2.50.

Poultry Supply Department



In order to procure maximum egg production, the poultry raiser must employ the most efficient systems of incubation, brooding, feeding, and general management. Our Poultry Supply Department is completely equipped with the most modern and efficient apparatus for Poultrymen's use, and in addition to the lines described in the following pages, we carry practically every item that may be required by the poultry raiser. If, in this condensed list, you do not find just what you require, please write us stating your needs, and we shall be pleased to send descriptive literature and quote price.

Queen Incubator

It is not a matter of how many chicks you hatch that counts, but how many you raise. Chicks that hatch out weakly and wobbly, and live but a few days, mean nothing to you except trouble and loss. Most of the chicks you lose in the first two weeks die because they did not hatch out with enough vitality or strength for a good start. In the "Queen", double walls

of genuine California Redwood are used to form a dead air space, and corrugated straw-board is used between the wooden walls. Proper insulation adds considerable expense to the manufacturing cost, but it is an absolute requirement of a good Incubator. The "Queen" is an incubator built upon principle and sound common sense. If you wish to make out of poultry raising all there is in it, you require an incubator or brooder correctly designed and substantially built, well insulated, automatic in action, and one that can be relied upon to do uniformly good work throughout the hatching season no matter what the weather conditions may be. The "Queen" measures up to all these requirements. The Queen system of hot water heating prevents the dryin-out tendencies found in hot-air incubators, and provides a soft, uniform heat over every part of the egg chamber—a heat that is most natural for the hatching eggs.

BABY QUEEN NO. 1—85 Egg Capacity—Just the right size for those who keep only a few chickens, or for the fancier to use for small select hatches. \$32.00, freight paid.

BEGINNER'S QUEEN NO. 2—135 Egg Capacity—Designed to meet the requirements of the small poultry raiser and farmer, which explains its enormous sale. It only requires the output for a few days of a small flock of layers to fill it. \$43.00, freight paid.

FAVORITE QUEEN NO. 3—180 Egg Capacity—Just a good average size, not too small for the larger poultry raiser nor too big for the small one. \$51.50, freight paid.

QUEEN NO. 4—275 Egg Capacity—Excellent as a chicken or duck hatcher. Used by many big poultrymen. If you are in the poultry business in earnest, get this machine. Big enough to turn out quantity hatches. \$67.00, freight paid.

QUEEN STYLE K INCUBATORS

This style is built to meet the demand for a good machine at a modest price. It is well made and strongly built. Among many of its good features we mention the following: All copper heater, all copper heating coils, inside and outside walls of Redwood, one-piece lamp fount that can not leak, egg trays, mesh wire covered. Highest quality Tycos thermometer.

STYLE QUEEN NO. 20—70 Egg Capacity—This little machine is a wonder for the money. It meets the need of those who want to get into the poultry business on a small scale economically. A real hatcher. \$19.00, freight paid.

STYLE K QUEEN NO. 21—130 Egg Capacity—This is a practical size incubator and for a very low price. Very similar to No. 20 but larger. \$32.00, freight paid.

STYLE K QUEEN NO. 22—220 Egg Capacity—The largest size of Style K machines. Has two egg trays, also nursery trays. Built to produce and to last for years. \$43.00, freight paid.



INCUBATOR AND BROODER THERMOMETERS

Strictly high grade and tested. Incubator, price, each, 90c; postpaid, \$1.00. Brooder, each, 80c; postpaid, 90c.

INCUBATOR HYGROMETERS—Price, each, \$2.25; postpaid, \$2.40.

Note: Thermometers and Hygrometers sent postpaid, only at purchaser's risk.



THE STERLING ELECTRIC INCUBATOR. Designed for alternating or direct current and most common voltage, i.e., 100 to 125 volts. Case is made of California Red Wood, beautifully finished and properly insulated. Heating element, thermostat and equipment strictly the best throughout and fully guaranteed. Price, capacity 100 eggs, \$30.00, carriage prepaid.

QUEEN COLONY BROODER.

The Queen is the only Brooder Stove with Automatic Control of Both Check and Draft.

The Queen Colony Brooder is a new and improved design of brooder stove. It is made of highest quality iron castings that will wear and last indefinitely.

There are no drafts on the smoke pipe of the Queen. The check rests on top of the stove and opens outward when fire is too warm, thus giving a gentle inflow of air to retard the heat. While the opening of the draft to increase fire is located at the top of the stove, it opens into the fire at the base through an opening extending down the side to the bottom. This feeds the draft into the fire from underneath with no opening below the hover. As will be seen from the illustration, the check and the draft slide are cast together and operate together. Thus, when the fire is too hot, the wafer expands and closes the draft, and opens the check, both at the same time. When it is too cool, the wafer contracts and closes the check and opens draft. This keeps an even heat all the time, both night and day, in cold weather or warm, and does it automatically. You don't have to pay any attention to it whatever. Just set the regulator for the proper temperature at the start of the season—it will do the rest.

The Queen stove provides a constant correct heat, and a constant distribution that makes the chicks develop into strong healthy fowls.

The Queen burns any kind of fuel with equally satisfactory results. We recommend chestnut sizes in all kinds of fuel and hard or soft coal, coke, charcoal, or briquettes burn equally well.

Gasproof and Fireproof—No. 1, 600 Chick size, \$25.00; No. 2, 1,200 Chick size, \$31.00, freight paid to your station.



THE SANITARY PORTABLE HOVER.

The greatest loss in the poultry business is in the raising of baby chicks. In selecting a hover, make sure therefore that it embodies the elements necessary for success.

The Sanitary can be used anywhere that there is protection for chicks from wind and rain. It is warmer at curtain edge than at centre; perfectly ventilated, maintains even temperature, the heat radiating downward. It is fire-proofed and vermin proof; will raise highest percentage of broods to maturity. Can be carried around with ease. Capacity 100 chicks. Price, carriage prepaid, \$16.50.

MODEL IMPROVED CYCLE HATCHER A Twentieth Century Wonder



The Model Improved Cycle Hatcher is designed to take the place of the hen and the larger incubator, and to carry out the development of the embryo chick in the egg to a living, healthy bird, by a device approaching nearer to the stage perfection in construction, operation and control of the moisture than anything else on the market to date.

The supply of heat in the Model Improved Cycle Hatcher comes from the centre, and is radiated in all directions like the rays of the sun carrying with it an abundant supply of fresh heated air, that is required to travel only six inches to reach every egg in the extreme portion of the nest. The heat is governed by a double wafer regulator that is placed so close to the egg that it is sensitive to the natural heat of the growing embryo chick in the egg, as well as the supplied heat from the lamp. The Model Improved Cycle Hatcher is too simple in construction to require any long description of details. Thermometer is always in sight of operator. Price, \$8.75; or Brooder and Hatcher combined, \$10.00.



SANITARY GRIT and SHELL BOXES.—Made from best grade galvanized iron, having three compartments for Grit, Shell and Charcoal. Each compartment holds about two quarts. Keep contents clean and sanitary, and effects a large saving in Grit and Shell. Each, \$1.25. postpaid, \$1.50.

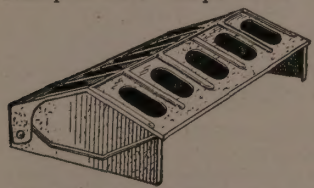
MCDONALD'S ONE-SECTION FEED HOPPER.—For dry feed shell, grit or charcoal. Made of heavy galvanized iron. Holds about 3 pints. Each, 60c; 3 for \$1.50; or each, 75c; 3 for \$1.80. postpaid.

"BAR-NUN" DRY MASH HOPPERS.—By its use a constant supply of fresh, clean food is available. It is inaccessible to rats or mice, yet easily accessible to poultry at all times, being suspended by a spiral spring, supplied with the hopper. The mash feeds down automatically as it is picked from the trough. Gives a clear floor space. Saves the food and lasts a lifetime. Each, \$2.00.



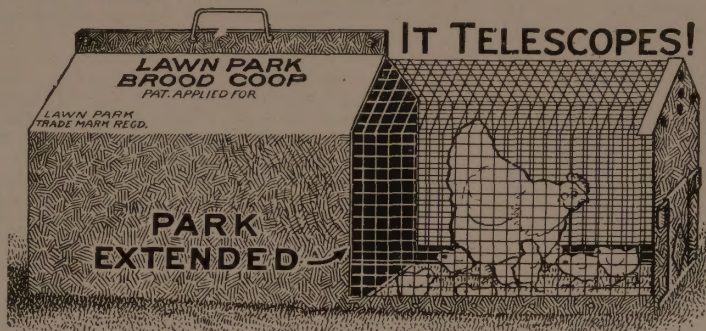
"CYMACO" CHICK TROUGHS For Feed and Water

A practical device for dry mash, hard grain, or grit, sour milk or water. It is made from tight, coated, galvanized metal, stamped into shape with dies, and is ribbed as shown in cut, making it strong and substantial. Made in two lengths, 10" and 20", both lengths, 3" high and 5" wide. Price: 10", 40c; postpaid, 60c; 20", 60c; postpaid, 80c.



HINGED COVER—Allows easy access to interior.

THE LAWN PARK BROOD COUP.—Constructed entirely from galvanized materials, will not rust, and is proof against all chick enemies. The body of coop is made from strong 28 gauge galvanized steel; the "Lawn Park" of heavy 1/2 inch mesh galvanized wire screen, and is large and roomy, being 18 inches wide, 19 1/2 inches high, and 24 inches long with Park closed, or 48 inches long with Park extended. The "Lawn Park" saves feed, work and worry. Makes caring for chicks easy. When you are away or retire, you know they are safe. The purchase of a "Lawn Park Coop" is an investment, not an expense. They are needed, and should be on every farm and in every poultry yard. Price, each, \$5.00



MOE'S BABY CHICK FEEDERS.—Chicks cannot get into this feeder and contaminate the food. Can be used for scratch feeds, mash, water, or milk. The most popular small feeder we handle. Supplied in two sizes.

No. 11—6-inch diameter, each 30 doz. \$3.00
No. 12—8 1/4 inch " each 50c doz \$5

Postpaid each 40c; doz., \$3.50.

Postpaid each 60c; doz., \$5.50.

BOSTON DRY FOOD HOPPERS.—This Hopper is rat-proof, and a great saver of food. Food is always accessible and in sight. It cannot clog, is easily cleaned. Made of heavy galvanized iron and practically indestructible. 1-2 bushel size for dry feeds. Each \$2.75.



MCDONALD'S FOOD and WATER CUPS.—

Made of galvanized iron, strong and durable. Holds 1-2 pint; can be secured to any style coop. Largely used in exhibition coops. Each 25c; doz., \$2.50; Postpaid, each 30c, doz., \$2.75.

SEPARABLE DRINKING FOUNTAIN.—Made of heavy galvanized iron and consists of two parts, permitting both sections to be kept in clean condition. Price, small, 50c; medium, 60c; large \$1.20. Postpaid small, 60c; medium, 70c; large, \$1.35.



THE "LITTLE CHICK" FEEDER.—The "Little Chick" Feeder is large and roomy. Size 6 inches high, 18 inches wide, and 24 inches long. It is made strong and durable. Will easily accommodate forty to fifty chicks. Can be placed anywhere and can be moved from place to place easily. The food can be dropped through the top of screen, and little chicks can enter at this door and eat and drink without being crowded, and trampled by larger fowls. The "Little Chick" Feeder makes an ideal attachment for the "Lawn Park" Coop. It is so made that the door of the feeder fits the door of the coop, in this way, providing a runway six feet long. Price, each, \$1.75.



MAMMOTH ROUND HOPPER.—The best dry mash hopper for large flocks of fowls. The pan forming the trough from which the fowl eat is seamless, being drawn from a disk of steel. It is 22 ins. in diameter and 3 1/2

inches deep and divided by partitions placed close together to prevent the fowls from throwing out the feed. The hopper is galvanized steel and holds more than 1 1/2 bushels. Price, complete, \$10.00.

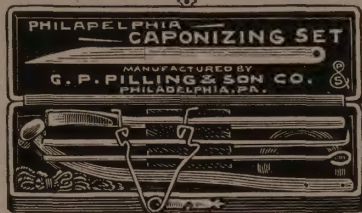
MCDONALD'S KEEP - CLEAN WALL FOUNTS.—Designed to hang against the wall, and to prevent water from getting dirty and full of litter. Made of heavy galvanized iron. The most popular drinking fountain on the market. Each 1-gal. size \$1.00; 2-gal. \$1.25.

THE CAN'T FREEZE FOUNTAIN.—This fountain will give your fowls clean water and plenty of it, all day long; winter and summer, without any trouble, except to fill the fountain occasionally. The "CAN'T FREEZE" has gone without attention for 72 hours when the temperature was far below zero. Even under these most severe conditions the water did not freeze—did not even crust with ice—and the fowls meanwhile enjoyed drinking pure clean water as conveniently as though it were summer. The "CAN'T FREEZE" is absolutely automatic simple, efficient and practical. Holds two gallons of water. Price, complete with lamp, \$2.25; postpaid, \$2.50.



CAPONIZING INSTRUMENTS—Poultrymen can double their profits by caponizing. The operation is very simple—the instructions are so full and explicit that any man, woman, or child, after a careful reading, will be able to perform the operation. It is highly successful from every point of view. The demand for Capons far exceeds the supply, the price per pound being twice as much as for ordinary chicks. Object of caponizing is to largely increase the weight of fowl, and improve the flavor of the meat which is tender and juicy.

BURDIN'S CAPONIZING SET.—The tools have been designed by one whose practical experience in caponizing has extended over a period of many years. Fully guaranteed. Complete instruction book free with each set. Price, \$5.00, postpaid.



PHILADELPHIA CAPONIZING SET.—Makes caponizing easy and simple. The result of 40 years' experience. A few moments' study of directions enclosed makes you a master with the use of these instruments. Price, \$5.00, postpaid.

POULTRY KILLING KNIVES.—French Pattern.—Made of finely tempered steel, with nickle handle. Will last a lifetime. Each, 75c, postpaid.

ANGULAR KILLING KNIFE.—By simple turning the wrist, the jugular vein and spinal cord are cut, thereby bleeding the fowl, allowing the feathers to be removed without using water. Each, 65c, postpaid.

PERFECT POCKET PUNCH—An all-steel, nickel-plated, pocket poultry punch for marking baby chicks. Punches a clean hole in the web between the toes that will not bruise the foot. Guaranteed to work perfectly. Each, 30c, postpaid.

LANSDOWNE POULTRY MARKER.—Makes a small, clean hole. A first-class marker. Each, 35c, postpaid.

PHILADELPHIA POULTRY MARKER.—Well-made with steel spring and cutter, nickel-plated. Each, 35c, postpaid.

"KEY-RING" COLORED LEG BANDS.—Made of celluloid in ten colors and several sizes. For poultry, pigeons, and baby chicks. Very light, easily put on or taken off, yet perfectly secure. Will last indefinitely. paid, 12, 20c; 25, 35c; 50, 60c; 100, \$1.00

VICTORBAND.—This band has become a great favorite with poultry exhibitors everywhere. Made of aluminum and celluloid. Various colors. Numbered from one up. These bands are adjustable. Prices, postpaid, 12, 75c; 25, \$1.35; 50, \$2.50;

CHAMPION LEG BAND
30 271
IMPROVED CHAMPION LEG BANDS.—Aluminum, one-piece, adjustable to any fowl. Large, raised numbers. Double lock, impossible to loosen. Numbered from 1 to 100 and up. This well-known Band has maintained its popularity for years. Prices, postpaid: 12, 15c; 25, 25c; 52, 40c; 100, 75c

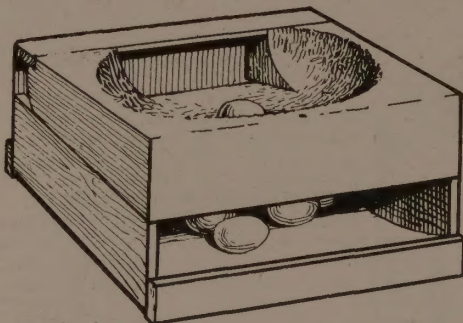
DELICATE TRIGGER HOLDING TRAP RELEASED BY HENS ENTRANCE FALLING SILENTLY



inexpensive. The trap is released upon the hen's entrance, falling in place so as to prevent her getting out, but allowing plenty of air above and beneath for ventilation. It is lice-proof and sanitary, as it is easily cleaned, all parts being accessible. No trouble to set them up as they are set up and ready for use when shipped. No 33, 12 x 12 x 12," each \$1.75; No. 34, 12" x 12" x 14", for large birds, each, \$2.25.

TRAP NEST FRONTS.—A new, inexpensive, and useful device, which meets a popular demand. It places trap nests within the reach of all, for with its use an orange-box can be converted into a double trap nest at little cost. It is simple to operate with no small parts to get out of order. The front works on hinges, making it easy to remove the birds, or clean the nest. Made of galvanized iron. 11 inches wide by 12 inches deep. Price, each, 60c; dozen, \$6.00; postpaid, each, 90c.

MCDONALD'S WIRE NESTS.—Easy to keep clean. Vermin proof. Indestructible. Copper wire reinforced with coppered steel ribs. Fastens to wall with hooks or screws. Far superior to wooden boxes. The best wire nest on the market. Each, 35c; doz., \$3.50, postpaid; each, 45c; doz., \$4.00.



VIGILANT EGG TRAP NEST.—Prevents hens from eating eggs. Pronounced unfailling in its success by those who have used it. As soon as the egg drops, it rolls into a lower section without breaking. This nest pays for itself in a very short time in the saving of eggs, and keeps them clean. Each, 90c; 3 for \$2.50; postpaid, each, 90c.

OPAL GLASS NEST EGGS.—Made of fine flint glass. Do not break easily, and will last a lifetime. Each, 5c; doz., 40c; postpaid, each, 7c; doz., 50c.

OVINAPHTHOLENE LICE KILLING EGG.—This lice-killing egg gives expert service and does not taint the egg. Tinted a nice brown color in exact imitation of Plymouth Rock Eggs. Each, 10c; doz., \$1.00; postpaid, each, 15c; doz., \$1.25.

No. 1 POULTRYMAN'S MILL.—Hand power. Will grind or granulate dry bones, oyster shells, grit, gravel, old crockery, glass, charcoal, corn, nuts, and all sorts of grain. May also be used in the house for grinding stale bread, crackers, roots, barks, etc. Price, \$8.50.

NEVER FAIL TRAP NESTS.—Trap nesting is the only means of ascertaining which are your profitable hens as it enables you to keep a record of what each hen is doing. The best layers have been discovered by the use of the trap nest. This nest is simple, practical, and

PERFECTA EGG BOX.—The "Perfecta" is a decided improvement on any of the boxes previously offered. Not only is it the strongest and most rigid, but it is also with its double end walls and cushion bottom, the safest of all similar packages for catering to the family egg trade. Nicely printed—"Strictly Fresh Eggs." Oblong in shape. Price, doz., 35c; 25, 60c; 100, \$2.25; 1,000, \$20.

REGAL EGG CARRIERS.—This "Safety First" box is adapted to either parcel post or express use, and can be used time after time. The safest and most durable egg carrier on the market. It is so strong it will bear your own weight, and so safe that when filled with eggs it will withstand the severest jolt without breaking an egg. Made of strong, corrugated cardboard. 15-egg size, 4" x 7" x 11", each, 35c; doz., \$3.50; postpaid, each, 45c.

HUMPTY-DUMPTY EGG CASE.—Holds 12 dozen eggs. Most desirable crate; prevents breakage, loss of time, and dispute in count. Very light and strong. The cheapest and best egg carrier sold. Each, 75c; 3 for \$2.00.

SEFTON BABY CHICK BOX.—Made of double thick corrugated paper. Dead air cells in paper protect the tender chicks. Box divided into compartments. Price, 25-chick size, 35c; dozen, \$3.50; per parcel post, each 50c.

COMMERCIAL EGG CRATE.—30-dozen capacity.—Well and strongly built of dressed lumber. Fillers of strong cardboard. Each, 80c.

MANN'S GREEN BONE CUTTERS.—A large part of the value of Green Bone for poultry is due to the perfectly fresh animal food which they contain. Fresh ground bone when fed to laying hens, will increase the egg production to a remarkable degree. Every farmer and poultry keeper should have a bone cutter of his own. Mann's Green Bone Cutters have been on the market for many years, and they are everywhere acknowledged to be the best made. As they feed automatically, both hands are free to operate.

No. 5 B, NEW MODEL.—For flocks, 15 to 25 hens. Capacity 15 to 20 lbs. per hour. Price, \$22.50.

No. 5 B, NEW rMODEL.—For flocks 15 to 25 hens. Capacity 15 to 20 lbs. per hour. \$17.50.

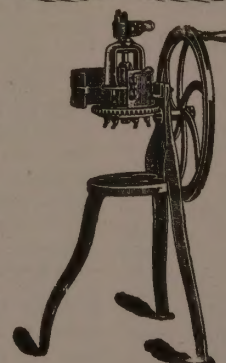
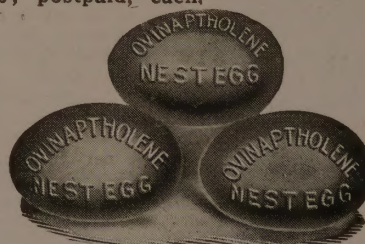
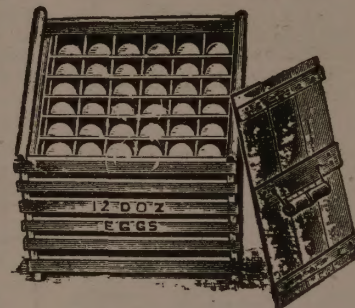
No. 7, NEW MODEL.—For 40 to 100 hens. Capacity 40 to 60 lbs. per hour. \$26.50.

No. 9, NEW MODEL.—For 100 to 200 hens. Capacity 75 to 90 lbs. per hour. Price, \$40.50.

No. 12, NEW MODEL.—Power machine. Capacity 120 to 150 lbs. per hour. Price, \$70.

CORN SHELLERS, "Black Hawk."—Recognized as the standard Sheller, and no machine has ever given more universal satisfaction. Will last a lifetime, is simple, easily adjusted, and will shell, clean, all kinds of field corn. Price, each, \$3.25.

PARCEL POST EGG BOXES.—Strongly made of Strawboard. Light in weight but of great durability. Collapsible and convenient. 1doz. egg size, each, 15c; doz., \$1.50; postpaid, each, 20c; doz., \$1.75.



BLATCHFORD'S EGG MASH.

Contains no drugs. Does not force or fatten. Makes every layer a year-round payer. Blatchford's Egg Mash is every bit food. It contains just the right combination of milk, milk-substitutes, meat, and grains. Carefully ground to the correct degree of coarseness necessary for complete and easy digestion. It supplies abundantly the surplus nourishment the hen needs



for maximum egg production. It is the "standard of perfection" in poultry mashes. The hen that lays is the hen that pays. Feed Blatchford's and keep them laying. They shell out the eggs with Blatchford's. Price, 25 lb. sack, \$1.10; per 100 lbs. \$4.00.

BLATCHFORD'S MILK MASH.

Nothing to equal it for baby chicks. Nourishes them the same as pure new milk. It starts them right and assures early maturity. It should be the chick's first feed. Prepares the pullet for early laying and the show bird for the show. Endorsed by all the leading poultrymen. Price, lb. 10c; 6-lbs., 50c; 25 lb. sack, \$1.50; 100 lb. sack, \$5.50.



BLATCHFORD'S BAR-NUN SCRATCH FEED.—Another product sent out by the makers of the famous Blatchford's Milk Mash, etc. All ingredients used in Bar-Nun Scratch Feed are carefully selected and cleaned, and are properly blended to produce a maximum production of eggs. Price, lb., 5c; 25 lbs. 90c; 50 lbs. \$1.60; 100 lbs., \$3.00.

CAGE BIRD FEED	Price	Postpaid
Canary Mixture (Spratt), 1-lb. pkge.	.25	.35
Parrot Mixture (Spratt), 1-lb. pkge.	.25	.35
Cod Liver Oil Cage Bird Food (Spratt), 1/4-lb. tins	.25	.35
Colour Food (Red), Improved Spratt, 1/4-lb. tins	.25	.35
Canary Seed, lb.	.20	.30
Hemp Seed, lb.	.20	.30
Maw or Poppy, lb.	.50	.60
Millet (White) lb.	.15	.25
Millet (Orange and Red), lb.	.15	.25
Niger	.50	.60
Rape, lb.	.20	.30
Sunflower, lb.	.15	.25
Avi-Sand, lb.	.10	.20
Cuttle Fishbone, lb.	.50	.60
Song Restorer (Spratt), pkt.	.30	.35
Mixed Bird Seed in bulk, 1-lb. 20		.30



with ordinary feed, will start it well on toward sturdy maturity. You can sell your milk and put the calves through safely and surely to a healthy, vigorous maturity on Blatchford's Calf Meal. It is easy to feed, requiring only two tablespoonfuls at the start. Full feeding directions are enclosed in each bag. Price, 25-lb. bag, \$1.50; 50-lb., \$2.75; 100 lb. sack, \$5.00.



Monarch Balanced Foods

The following foods are mixed by special formula, and are guaranteed to be composed of good, wholesome grains. Your fowls will eat these clean, sweet, nourishing foods to the last particle. Prices of all feeds are based upon delivery ex-warehouse, Ottawa. Write for quantity quotations, stating requirements. All prices on poultry feeds subject to change.

	lb.	lbs.	lbs.	lbs.
Scratch Food	.05	.90	1.60	3.00
Laying Mash	.06	1.00	1.85	3.50
Fattening Mash	.06	1.10	2.00	3.75
Chick Food	.06	1.15	2.10	4.00
Developing Food	.06	1.00	1.85	3.50
Growing Mash	.06	1.10	2.00	3.75
Alfalfa Meal	.07	1.40	2.25	4.00
Alfalfa Short Cut	.07	1.40	2.25	4.00
Beef Scrap, 60% protein	.10	2.00	3.50	6.50
Beef Meal, 60% protein	.10	2.00	3.50	6.50
Meat and Bone, 40% protein	.08	1.50	2.90	5.50
Meat and Meal, 40% protein	.08	1.50	2.90	5.50
Charcoal (chick or hen size)	.06	1.25	2.25	4.25
Grit	.02	.40	.70	1.25
Crushed Oyster Shell	.03	.50	.90	1.60

Cage Bird Remedies

The old and expensive plan of feeding canaries and other cage birds by means of the egg-and-biscuit diet is rapidly falling into disuse.

Foremost cage birdraisers everywhere have come to realize that specially prepared foods such as we offer below, produce far better results than obtained by the old system.

	Price
*"Canaradyne" for asthma and wheezing	.25
*Parrot Tonic (Moulting), for canaries also	.25
*Pennakura (Feather-eating cure)	.15
"Quinella" (for inflammation of the stomach)	.15
*Red Mite Killer	.25
Insect Powder (for vermin on birds and animals)	.20
*Cannot be mailed.	

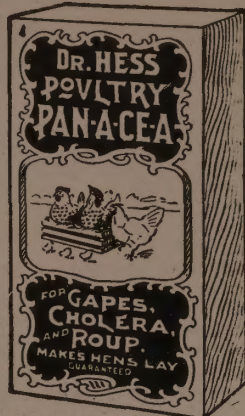
Blatchford's Calf Meal

Blatchford's Calf Meal is the ORIGINAL Milk substitute. It was first on the market, and for many years it has been successfully used by the most progressive farmers and dairymen in raising calves. Its richness in feeding value makes Blatchford's Calf Meal easily recognized as the best and most economical Milk substitute.

A 50-lb. bag of Blatchford's Calf Meal—the original and only complete milk-substitute—is equal in feeding value to 50 gallons of whole milk, and will nourish a calf from the time it is four or five days old until it can eat ordinary food. Another bag or two combined



DOG CAKES (Meat Fibrine).—Lb., 17c; 5 lb. sack, 75c; postpaid, lb., 30c; 5 lb. sack, \$1.10. **TERRIER BISCUITS.**—Lb., 18c; 5 lb. sack, 80c; postpaid, lb., 30c; 5 lb. sack, \$1.10. **PUPPY BISCUITS.**—Lb., 18c; 5 lb. sack, 80c; postpaid, lb., 30c; 5 lb. sack, \$1.10. **OVALS (Pocket Biscuits).**—Lb., 20c; 5 lb. sack, 90c; postpaid, lb., 30c; 5 lb. sack, \$1.35. **"WEETMEET"**—Lb., 20c; 5 lb. sack, \$1.00; postpaid, lb., 30c; 5 lb. sack, \$1.35.



DR. HESS' POULTRY PANACEA insures a healthy flock. Helps birds through moulting. Guaranteed to make hens lay. Price, 1 1/2 lb. pkge., 35c; 5-lb. pkge., 85c; 12-lb. pkge., \$1.75; 25-lb. pail, \$3.50. Postpaid, 1 1/2-lb. pkge., 50c; 5-lb. pkge., \$1.20. **KARSWOOD POULTRY SPICE**—"Karswood" is an unexcelled egg producer, and possesses tonic properties which promote good health, and fine condition. Price, postpaid,—8 oz. 35c; 1 lb., 65c; or, at purchaser's expense, 7 lbs., \$3.15; 14 lbs., \$6.00.

ROYAL PURPLE POULTRY SPECIFIC, a positive preventative of all kinds of diseases in poultry. Small pkge., 35c; large pkge., 65c; large tin, \$2.00. Postpaid, small pkge., 50c; large pkge., 85c.

	PRICE	POSTPAID
	Small Large	Small Large
Roup Remedy (Cypher's)	.30	.. .35
Roup Remedy (Dr. Hess')	.25	.. .30
Roup Remedy (Pratt's)	.35	.70 .40 .75
Roup Remedy (Royal Purple)	.30	.. .35
Gape Remedy	.35	.70 .40 .75
Chicken Cholera Remedy	.35	.70 .40 .75
White Diarrhoea Remedy	.35	.70 .40 .75
Bronchitis Tablets	.35	.70 .40 .75
Condition Tablets	.35	.70 .40 .75
Scaly Leg Ointment	.35	.70 .40 .75
Chickenpox and Sorehead	.35	.70 .40 .75
Head Lice Ointment	.35	.. .40
Lice Salve	.35	.70 .40 .75
Lice Powder (Pratt)	.35	.. .50
Lice Powder (Hess)	.35	.75 .50 1.00
Lice Powder (Royal Purple)	.35	.65 .45 .80
Lice Powder (Zenoleum)	.40	.. .55
Liquid Lice Killer (Pratt)	.60	Cannot be mailed

	Prices Postpaid.
Tonic Pills	.35
Purgin Pills	.35
Worm Pills	.35
Worm Powders	.35
Distemper Pills	.65
Distemper Powders	.65
Cough Pills	.35
Dog Soap	.25
"Fom o" Antiseptic Shampoo for Dogs	.40c
Cannot be mailed.	



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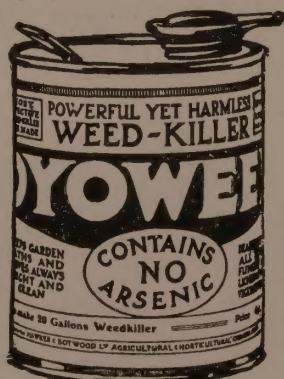
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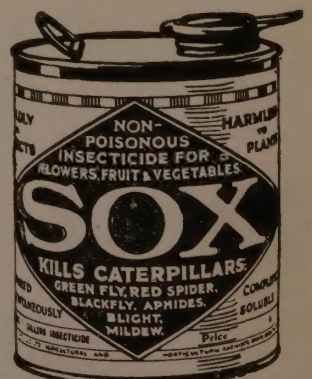
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DYOWEED—The safe non-arsenical weed killer. Destroys weeds in a remarkable way,—quick and clean, leaving no stain, yet harmless to man, bird, or beast. "Dyoweed" dissolves immediately and freely in cold water. In ordinary cases, mix 1 part to 50 parts water, "Dyoweed" is the most economical, non-arsenical weed killer to apply to garden paths, driveways, etc.
Size 1, making 3 gals., 60c; size 2, making 6 gals., \$1.00; size 3, making 10 gals., \$1.75; size 4, making 20 gals., \$3.25.
This is a liquid Insecticide and cannot be sent in the mail.

SOX—Finest insecticide in the world, is non-poisonous, safe to use, and certain in effect. It is adhesive, penetrating, and does not choke the Sprayer, and is harmless to plant life. It is rapid in action, killing insect pests on flowers, fruit, and vegetables in a wonderful way. "SOX" is more highly concentrated than others. A small quantity is used per gallon of water. Size 1, making 5 gals., 60c; size 2, making 10 gals., \$1.00; size 3, making 15 gals., \$1.75; size 4, making 30 gals., \$3.25.
This is a liquid Insecticide and cannot be sent in the mail.



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For full Instructions about ordering, see First page of Catalogue. Potatoes and all perishable goods are held up during the cold season and sent when weather permits. If, for any reason, you do not receive entire order at the one time, please bear in mind that remaining portion will follow shortly. If otherwise, you will be promptly advised.

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SOX The Finest Insecticide in the world. Non-poisonous, safe to use, certain in effect. Price, postpaid: 3 Tablets, 35c; 6 Tablets, 60c; 12 Tablets, \$1.00. One Tablet makes 1 gal. solution.	Total
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NAME OF PLANTS, SHRUBS, TREES or VINES WANTED

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for every
purpose.

Planet Jr. Tools

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Catalog
of all the
Planets.



PLANET JR. SEEDERS.

No. 1—Combined Drill Seeder, Wheel Hoe, Cultivator, and Plow. Holds 3 pints. Has Plow to open furrows, and covering attachments which throw soil on top of seed. Complete attachments, \$18.75.

No. 2—Similar to No. 1 but larger. Holds 2½ quarts. No cultivating attachments accompany this Drill Seeder. Price, \$16.25.

No. 4—PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW.—

A splendid all-season tool; durable, easy running and accurate. Sows all garden seeds in continuous rows or hills, opens furrows, drops seeds, covers rolls down, and marks out next row at one passage. Hopper holds 2½ quarts. This machine has steel driving wheel, and is fitted with one pair oil tempered 6-inch hoes, three cultivator teeth, one garden plow, and leaf guard marker. It will do perfect work as a hill-dropping, or continuous row Seeder, Single Wheel Hoe, or Cultivator, a garden Plow, or furrower. Price, \$23.00.

No. 4D (PLAIN) PLANET JR. HILL & DRILLSEEDER—Supplied as a Seeder only, without attachments. Hopper capacity 2½ quarts. It sows all garden seeds in continuous rows with uniformity, or in hills, 4, 6, 8, 12, or 24 inches apart. Price, \$18.50.

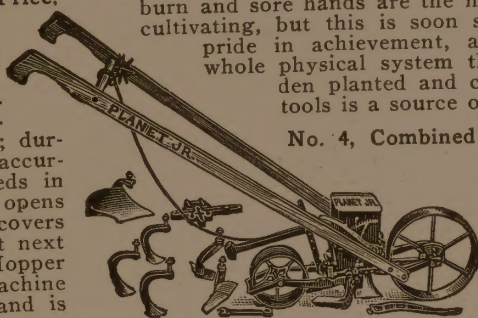
No. 8 PLANET JR. HORSE HOE AND CULTIVATOR.—This style is a general favorite, being complete and easily operated. The machine is stronger, better made, and capable of a greater variety of work than any other cultivator. Non-clogging steel wheel, depth regulator, and extra long frame make it steady and easily handled. The lever expander combines strength and stiffness with simplicity. The play of the ordinary lever expander is largely avoided and the change in width is easy and almost instantaneous. Equipped with four 3" x 8" cultivator steels, two 6-inch hillers, and one 7-inch shovel. Price, \$22.00.



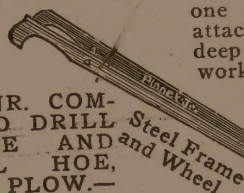
No. 8

The publicity given to the importance of increased food supply and reducing the cost of living by personal effort, has had one effect which will be beneficial and lasting; that is, that thousands of people are now cultivating gardens who have never done so before; thousands of people, are making a large saving in their living expenses, and finding out, perhaps for the first time in their lives, what fresh peas, beans, and corn taste like when they are right out of the garden. The labor of cultivating these gardens is made easy by the use of the modern seed drills and wheel hoes, as is shown by the fact that many of the most enthusiastic gardeners this year are women. A little sunburn and sore hands are the first effects of this garden cultivating, but this is soon succeeded by a sense of pride in achievement, and a toning up of the whole physical system through exercise. A garden planted and cared for with Planet Jr. tools is a source of pleasure and profit.

No. 4, Combined



No. 25—PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR & PLOW.—As a Seeder is practically the same as No. 4, and has same steel frames and attachments as the No. 12 Wheel Hoe. Price, \$27.50.

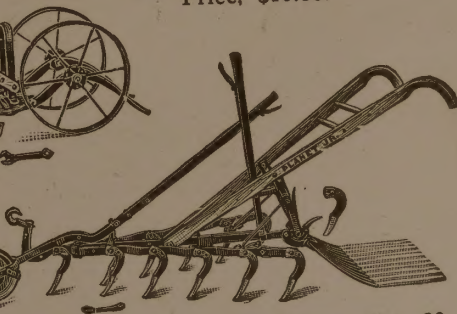


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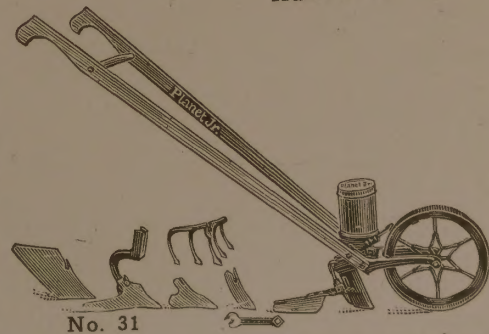
No. 90—PLANET JR. 12 TOOTH HARROW AND PULVERIZER.—

Invaluable for strawberry culture and general market gardening. Has the new steel wheel which prevents clogging. Its 12 chisel shaped teeth cut out all weeds, stir and mellow the soil, and

leave the ground in the finest condition without throwing dirt on the plants. Price \$22.50. PLANET Jr., No. 31, COMBINED DRILL SEEDER AND WHEEL HOE.—This is a new combined tool, of great value, and is offered at a price within the reach of all. It is well made, and will sow even a small packet of garden seed the proper thickness desired, with precision, from ¼ to 2 inches deep. Hopper holds one quart. The seed drill-attachment may be removed in a moment, and replaced as quickly. Price, \$15.50.



Harrow No. 90



No. 31

PLANET JR. WHEEL HOES
No. 11—PLANET JR. COMBINED DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR AND PLOW.—

This is the most useful set of attachments. Has steel frame and 15 inch steel wheels. Will straddle crops until too high, then can be worked between rows with one or two wheels. The best hand cultivator tool. Price, \$18.50.

No. 12 PLANET JR. DOUBLE AND SINGLE WHEEL HOE.—

Has steel frame and 14-inch steel wheels. Straddles crops until 20 inches high, then works between rows. Supplied with one pair 6-inch hoes, 4 steel cultivator teeth 1 pair plows and 2 leaf lifters. Price, \$14.50.

No. 13—PLANET JR. DOUBLE AND SINGLE WHEEL HOE.—

This hoe has the same steel frame and handles as Nos. 11 and 12, but has for equipment, one pair 6-inch hoes only. These are the most useful of the cultivating attachments. Should other attachments for this machine be required from time to time they may easily be obtained. Price, \$10.50.



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the Lawn -
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